Start	1	End	2514
GI	5042454	Score	2283
Exons	1..232, 457..1870, 1927..2037, 2370..2514		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51714	Strand	-
Start	4652	End	5220
Name	OJ990604_06.9920.C15.o1.tw	Method	TBLASTX:Wheat
Start	806	End	1198
GI	none	Score	93
Exons	806..1063, 840..1079, 1046..1144, 1047..1139, 1151..1198		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51714	Strand	-
Start	4652	End	5220
Name	OJ990604_06.9920.C15.o1.tm	Method	TBLASTX:Maize
Start	908	End	1193
GI	none	Score	108
Exons	908..1156, 909..1193		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51714	Strand	-
Start	4652	End	5220
Name	OJ990604_06.9920.C15.o1.gp	Method	AAT/GAP
Start	4652	End	5220
GI	4879016	Score	820
Exons	4652..5220		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	24915	Seq. ID	OJ990604_06.9920.C15
Gene No.	51715	Strand	
Start	5846	End	6255
Name	OJ990604_06.9920.C15.o2.tw	Method	TBLASTX:Wheat
Start	5846	End	6255
GI	none	Score	103
Exons	5846..5962, 5978..6064, 6067..6183, 6166..6255		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o1.np	Method	AAT/NAP
Start	614	End	2611
GI	2443320	Score	2556
Exons	614..2611		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o1.gs	Method	GENSCAN
Start	617	End	2579
GI	none	Score	.69
Exons	617..1339, 1523..2579		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o3.tw	Method	TBLASTX:Wheat
Start	812	End	1158
GI	none	Score	202
Exons	812..1156, 946..1158		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o2.tw	Method	TBLASTX:Wheat
Start	1607	End	1909
GI	none	Score	101
Exons	1607..1690, 1688..1909, 1734..1880, 1744..1890		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o2.ts	Method	TBLASTX:Soybean
Start	1751	End	2134
GI	none	Score	110
Exons	1751..1885, 1910..2134		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o1.tw	Method	TBLASTX:Wheat
Start	1910	End	2575
GI	none	Score	802
Exons	1910..2575, 1913..2518, 1936..2556		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o1.tm	Method	TBLASTX:Maize
Start	2048	End	2593
GI	none	Score	203
Exons	2048..2356, 2209..2268, 2375..2452, 2438..2593		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o1.ts	Method	TBLASTX:Soybean
Start	2144	End	2575
GI	none	Score	178
Exons	2144..2371, 2146..2370, 2372..2452, 2438..2575		

Seq. No.	24916	Seq. ID	OJ990604_06.9920.C16
Gene No.	51716	Strand	+
Start	614	End	2611
Name	OJ990604_06.9920.C16.o1.tc	Method	TBLASTX:Cress
Start	2156	End	2602
GI	none	Score	120
Exons	2156..2362, 2372..2449, 2468..2602		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17

Gene No.	51717	Strand	+
Start	1	End	2131
Name	OJ990604_06.9920.C17.o1.np	Method	AAT/NAP
Start	1	End	938
GI	2443320	Score	1426
Exons	1..938		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51717	Strand	+
Start	1	End	2131
Name	OJ990604_06.9920.C17.o1.gs	Method	GENSCAN
Start	159	End	2131
GI	none	Score	.85
Exons	159..806, 1655..2131		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51718	Strand	+
Start	2598	End	3329
Name	OJ990604_06.9920.C17.o2.np	Method	AAT/NAP
Start	2407	End	3107
GI	2522230	Score	322
Exons	2407..3107		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51718	Strand	+
Start	2598	End	3329
Name	OJ990604_06.9920.C17.o2.gs	Method	GENSCAN
Start	2598	End	3329
GI	none	Score	.64
Exons	2598..3329		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51719	Strand	+
Start	3935	End	5427
Name	OJ990604_06.9920.C17.o2.tw	Method	TBLASTX:Wheat
Start	1	End	338
GI	none	Score	181
Exons	1..141, 17..139, 24..140, 138..338, 146..322		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51719	Strand	+
Start	3935	End	5427
Name	OJ990604_06.9920.C17.o1.tm	Method	TBLASTX:Maize
Start	300	End	887
GI	none	Score	99
Exons	300..419, 468..674, 693..887		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51719	Strand	+
Start	3935	End	5427
Name	OJ990604_06.9920.C17.o1.ts	Method	TBLASTX:Soybean
Start	309	End	803
GI	none	Score	220
Exons	309..671, 699..803		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51719	Strand	+
Start	3935	End	5427
Name	OJ990604_06.9920.C17.o1.tw	Method	TBLASTX:Wheat
Start	411	End	899
GI	none	Score	579
Exons	411..899, 412..531, 416..898		

Seq. No.	24917	Seq. ID	OJ990604_06.9920.C17
Gene No.	51719	Strand	+
Start	3935	End	5427
Name	OJ990604_06.9920.C17.o3.gs	Method	GENSCAN
Start	3935	End	5427
GI	none	Score	.85
Exons	3935..4234, 4912..5020, 5309..5427		

Seq. No.	24918	Seq. ID	OJ990604_06.9920.C18
Gene No.	51720	Strand	-
Start	149	End	372
Name	OJ990604_06.9920.C18.o1.gs	Method	GENSCAN
Start	149	End	372
GI	none	Score	.41
Exons	149..372		

Seq. No.	24918	Seq. ID	OJ990604_06.9920.C18
Gene No.	51721	Strand	-
Start	386	End	682
Name	OJ990604_06.9920.C18.o1.gp	Method	AAT/GAP
Start	386	End	682
GI	61605_3.R1084	Score	448
Exons	386..682		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o2.ts	Method	TBLASTX:Soybean
Start	2739	End	3137
GI	none	Score	197
Exons	2739..3137		

Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o3.ts	Method	TBLASTX:Soybean
Start	3487	End	3845
GI	none	Score	104
Exons	3487..3657, 3711..3845		

Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o1.np	Method	AAT/NAP
Start	3502	End	4486
GI	5902445	Score	641

Exons	3502..4486		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o1.tw	Method	TBLASTX:Wheat
Start	3666	End	4040
GI	none	Score	39
Exons	3666..3698, 3693..3890, 3701..3889, 3702..3890, 3712..3891, 3900..4040, 3902..3997, 3906..4040		
Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o2.tm	Method	TBLASTX:Maize
Start	3696	End	3906
GI	none	Score	256
Exons	3696..3890, 3701..3889, 3718..3906		
Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o1.tm	Method	TBLASTX:Maize
Start	3909	End	4370
GI	none	Score	545
Exons	3909..4370, 3909..4301, 4058..4369		
Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o2.tw	Method	TBLASTX:Wheat
Start	4041	End	4439
GI	none	Score	200
Exons	4041..4376, 4058..4372, 4338..4439		
Seq. No.	24919	Seq. ID	OJ990604_06.9920.C19
Gene No.	51722	Strand	+
Start	3502	End	4486
Name	OJ990604_06.9920.C19.o1.ts	Method	TBLASTX:Soybean
Start	4056	End	4486
GI	none	Score	221
Exons	4056..4337, 4092..4298, 4094..4342, 4338..4469, 4382..4486		
Seq. No.	24920	Seq. ID	OJ990604_06.9920.C20
Gene No.	51723	Strand	+
Start	108	End	620
Name	OJ990604_06.9920.C20.o1.gs	Method	GENSCAN
Start	108	End	620
GI	none	Score	.93
Exons	108..620		
Seq. No.	24921	Seq. ID	OJ990604_06.9920.C21
Gene No.	51724	Strand	+
Start	1344	End	1868
Name	OJ990604_06.9920.C21.o1.gs	Method	GENSCAN
Start	1344	End	1868

GI	none	Score	.65
Exons	1344..1439, 1745..1868		

Seq. No.	24921	Seq. ID	OJ990604_06.9920.C21
Gene No.	51725	Strand	-
Start	1194	End	1814
Name	OJ990604_06.9920.C21.o1.np	Method	AAT/NAP
Start	1194	End	1814
GI	6721559	Score	503
Exons	1194..1326, 1355..1814		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	24922	Seq. ID	OJ990604_06.9920.C22
Gene No.	51726	Strand	+
Start	52	End	5156
Name	OJ990604_06.9920.C22.o1.gs	Method	GENSCAN
Start	52	End	4560
GI	none	Score	.79
Exons	52..362, 2385..2540, 2619..2978, 3022..3171, 3607..3842, 3903..4081, 4268..4560		

Seq. No.	24922	Seq. ID	OJ990604_06.9920.C22
Gene No.	51726	Strand	+
Start	52	End	5156
Name	OJ990604_06.9920.C22.o1.np	Method	AAT/NAP
Start	2451	End	3347
GI	5042448	Score	1300
Exons	2451..3021, 3061..3347		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	24922	Seq. ID	OJ990604_06.9920.C22
Gene No.	51726	Strand	+
Start	52	End	5156
Name	OJ990604_06.9920.C22.o2.np	Method	AAT/NAP
Start	3607	End	5156
GI	4680179	Score	2212
Exons	3607..5156		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24922	Seq. ID	OJ990604_06.9920.C22
Gene No.	51726	Strand	+
Start	52	End	5156
Name	OJ990604_06.9920.C22.o1.tw	Method	TBLASTX:Wheat
Start	3873	End	4233
GI	none	Score	305
Exons	3873..3974, 3874..4233, 3999..4232		

Seq. No.	24922	Seq. ID	OJ990604_06.9920.C22
Gene No.	51726	Strand	+
Start	52	End	5156
Name	OJ990604_06.9920.C22.o2.tw	Method	TBLASTX:Wheat
Start	4675	End	5025
GI	none	Score	54
Exons	4675..4716, 4744..5025, 4761..4949		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o1.np	Method	AAT/NAP
Start	1	End	3014
GI	4680179	Score	4917
Exons	1..3014		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o6.tw	Method	TBLASTX:Wheat
Start	3	End	299
GI	none	Score	186
Exons	3..299		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o1.gs	Method	GENSCAN
Start	33	End	2078
GI	none	Score	.82
Exons	33..2078		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o4.tw	Method	TBLASTX:Wheat
Start	470	End	956
GI	none	Score	523
Exons	470..928, 474..956		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o3.ts	Method	TBLASTX:Soybean
Start	510	End	828
GI	none	Score	189
Exons	510..824, 658..828, 674..823		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o4.tm	Method	TBLASTX:Maize
Start	539	End	980
GI	none	Score	359
Exons	539..784, 543..980		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o1.ts	Method	TBLASTX:Soybean
Start	897	End	1292
GI	none	Score	54
Exons	897..929, 929..982, 933..977, 933..1163, 1041..1292, 1049..1291		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o5.tw	Method	TBLASTX:Wheat
Start	1006	End	1307
GI	none	Score	72
Exons	1006..1095, 1006..1083, 1043..1306, 1044..1307		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o5.tm	Method	TBLASTX:Maize
Start	1038	End	1379
GI	none	Score	315
Exons	1038..1379, 1094..1378		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o2.tw	Method	TBLASTX:Wheat
Start	1308	End	1817
GI	none	Score	591
Exons	1308..1817, 1310..1726		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o2.tm	Method	TBLASTX:Maize
Start	1380	End	1750
GI	none	Score	472
Exons	1380..1733, 1382..1672, 1383..1718, 1433..1750, 1694..1726		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o3.tw	Method	TBLASTX:Wheat
Start	1821	End	2300
GI	none	Score	561
Exons	1821..2300, 1854..2267, 2045..2299		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o2.ts	Method	TBLASTX:Soybean
Start	2088	End	2348
GI	none	Score	291
Exons	2088..2348, 2093..2347		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o3.tm	Method	TBLASTX:Maize
Start	2147	End	2438
GI	none	Score	391
Exons	2147..2434, 2148..2438		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o1.tw	Method	TBLASTX:Wheat
Start	2307	End	2933
GI	none	Score	717
Exons	2307..2933, 2309..2932		

Seq. No.	24923	Seq. ID	OJ990604_06.9920.C23
Gene No.	51727	Strand	+
Start	1	End	3014
Name	OJ990604_06.9920.C23.o1.tm	Method	TBLASTX:Maize
Start	2487	End	3014
GI	none	Score	226
Exons	2487..2648, 2495..2641, 2645..2947, 2646..3014		

Seq. No.	24924	Seq. ID	OJ990604_06.9920.C24
Gene No.	51728	Strand	+
Start	1	End	836
Name	OJ990604_06.9920.C24.o1.np	Method	AAT/NAP
Start	1	End	836
GI	4680179	Score	1353
Exons	1..836		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24924	Seq. ID	OJ990604_06.9920.C24
Gene No.	51728	Strand	+
Start	1	End	836
Name	OJ990604_06.9920.C24.o1.tw	Method	TBLASTX:Wheat
Start	3	End	458
GI	none	Score	532
Exons	3..458, 5..457		

Seq. No.	24924	Seq. ID	OJ990604_06.9920.C24
Gene No.	51728	Strand	+
Start	1	End	836
Name	OJ990604_06.9920.C24.o1.tm	Method	TBLASTX:Maize
Start	12	End	611
GI	none	Score	220
Exons	12..173, 18..161, 20..166, 166..231, 170..232, 170..598, 171..611		

Seq. No.	24924	Seq. ID	OJ990604_06.9920.C24
Gene No.	51728	Strand	+
Start	1	End	836
Name	OJ990604_06.9920.C24.o1.gs	Method	GENSCAN
Start	45	End	749
GI	none	Score	.69
Exons	45..749		

Seq. No.	24924	Seq. ID	OJ990604_06.9920.C24
Gene No.	51728	Strand	+
Start	1	End	836
Name	OJ990604_06.9920.C24.o2.tw	Method	TBLASTX:Wheat
Start	458	End	826
GI	none	Score	332
Exons	458..511, 459..791, 557..673, 773..826		

Seq. No.	24925	Seq. ID	OJ990604_06.9920.C25
Gene No.	51729	Strand	-
Start	1	End	1235
Name	OJ990604_06.9920.C25.o1.np	Method	AAT/NAP
Start	1	End	1235
GI	4680179	Score	433
Exons	1..87, 128..920, 1148..1235		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24925	Seq. ID	OJ990604_06.9920.C25
Gene No.	51729	Strand	-
Start	1	End	1235
Name	OJ990604_06.9920.C25.o1.gs	Method	GENSCAN
Start	135	End	913
GI	none	Score	.49
Exons	135..913		

Seq. No.	24925	Seq. ID	OJ990604_06.9920.C25
Gene No.	51729	Strand	-
Start	1	End	1235
Name	OJ990604_06.9920.C25.o1.tm	Method	TBLASTX:Maize
Start	531	End	842
GI	none	Score	55
Exons	531..617, 582..842, 667..828		

Seq. No.	24925	Seq. ID	OJ990604_06.9920.C25
Gene No.	51729	Strand	-
Start	1	End	1235
Name	OJ990604_06.9920.C25.o1.tw	Method	TBLASTX:Wheat
Start	548	End	842
GI	none	Score	46
Exons	548..613, 582..842, 652..828		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51730	Strand	+
Start	1	End	275
Name	OJ990604_06.9920.C26.o1.gp	Method	AAT/GAP
Start	1	End	275
GI	61605_3.R1084	Score	451
Exons	1..275		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51731	Strand	+
Start	535	End	2088
Name	OJ990604_06.9920.C26.o1.np	Method	AAT/NAP
Start	535	End	2014
GI	5852180	Score	319
Exons	535..634, 1645..2014		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51731	Strand	+
Start	535	End	2088
Name	OJ990604_06.9920.C26.o1.gs	Method	GENSCAN

Start	1704	End	2088
GI	none	Score	.93
Exons	1704..1759, 1764..2088		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51732	Strand	+
Start	4439	End	5713
Name	OJ990604_06.9920.C26.o2.np	Method	AAT/NAP
Start	4439	End	5713
GI	6742729	Score	652
Exons	4439..5242, 5640..5713		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51733	Strand	-
Start	803	End	1232
Name	OJ990604_06.9920.C26.o2.gp	Method	AAT/GAP
Start	803	End	1232
GI	2428185	Score	809
Exons	803..1232		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51734	Strand	-
Start	1250	End	1984
Name	OJ990604_06.9920.C26.o3.gp	Method	AAT/GAP
Start	1250	End	1984
GI	101153_1.R1084	Score	584
Exons	1250..1478, 1795..1984		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51735	Strand	-
Start	5499	End	5713
Name	OJ990604_06.9920.C26.o2.tw	Method	TBLASTX:Wheat
Start	4114	End	4717
GI	none	Score	79
Exons	4114..4236, 4286..4438, 4290..4439, 4549..4650, 4682..4717		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51735	Strand	-
Start	5499	End	5713
Name	OJ990604_06.9920.C26.o1.ts	Method	TBLASTX:Soybean
Start	4147	End	4439
GI	none	Score	43
Exons	4147..4176, 4183..4242, 4203..4283, 4283..4438, 4290..4439		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51735	Strand	-
Start	5499	End	5713
Name	OJ990604_06.9920.C26.o2.tm	Method	TBLASTX:Maize
Start	4490	End	4708
GI	none	Score	111
Exons	4490..4570, 4502..4549, 4562..4690, 4628..4708		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51735	Strand	-
Start	5499	End	5713
Name	OJ990604_06.9920.C26.o1.tm	Method	TBLASTX:Maize
Start	4799	End	5178
GI	none	Score	57
Exons	4799..4849, 4865..4921, 4950..5168, 4951..5178, 4960..5178		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51735	Strand	-
Start	5499	End	5713
Name	OJ990604_06.9920.C26.o1.tw	Method	TBLASTX:Wheat
Start	4823	End	5241
GI	none	Score	105
Exons	4823..4921, 4867..4929, 4920..5237, 4921..5241		

Seq. No.	24926	Seq. ID	OJ990604_06.9920.C26
Gene No.	51735	Strand	-
Start	5499	End	5713
Name	OJ990604_06.9920.C26.o3.np	Method	AAT/NAP
Start	5499	End	5713
GI	5295955	Score	227
Exons	5499..5713		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	24927	Seq. ID	OJ990604_06.9920.C27
Gene No.	51736	Strand	+
Start	711	End	1027
Name	OJ990604_06.9920.C27.o1.gp	Method	AAT/GAP
Start	711	End	1027
GI	61605_3.R1084	Score	453
Exons	711..1027		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	24927	Seq. ID	OJ990604_06.9920.C27
Gene No.	51737	Strand	-
Start	1	End	1079
Name	OJ990604_06.9920.C27.o1.np	Method	AAT/NAP
Start	1	End	1079
GI	4680179	Score	196
Exons	1..227, 1055..1079		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	24927	Seq. ID	OJ990604_06.9920.C27
Gene No.	51737	Strand	-
Start	1	End	1079
Name	OJ990604_06.9920.C27.o1.gs	Method	GENSCAN
Start	12	End	217
GI	none	Score	.89
Exons	12..217		

Seq. No.	24928	Seq. ID	OJ990604_06.9920.C28
Gene No.	51738	Strand	+
Start	98	End	538
Name	OJ990604_06.9920.C28.o1.gp	Method	AAT/GAP

Start	98	End	538
GI	61605_1.R1084	Score	205
Exons	98..179, 458..538		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24928	Seq. ID	OJ990604_06.9920.C28
Gene No.	51739	Strand	-
Start	1	End	686
Name	OJ990604_06.9920.C28.o1.np	Method	AAT/NAP
Start	1	End	686
GI	5852180	Score	245
Exons	1..294, 590..686		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	24929	Seq. ID	OJ990604_06.9920.C29
Gene No.	51740	Strand	-
Start	118	End	1188
Name	OJ990604_06.9920.C29.o1.gs	Method	GENSCAN
Start	118	End	1188
GI	none	Score	1
Exons	118..1188		

Seq. No.	24929	Seq. ID	OJ990604_06.9920.C29
Gene No.	51740	Strand	-
Start	118	End	1188
Name	OJ990604_06.9920.C29.o1.tw	Method	TBLASTX:Wheat
Start	325	End	723
GI	none	Score	74
Exons	325..594, 634..723		

Seq. No.	24929	Seq. ID	OJ990604_06.9920.C29
Gene No.	51740	Strand	-
Start	118	End	1188
Name	OJ990604_06.9920.C29.o1.ts	Method	TBLASTX:Soybean
Start	358	End	768
GI	none	Score	81
Exons	358..609, 443..610, 617..766, 631..768		

Seq. No.	24930	Seq. ID	OJ990604_06.9920.C30
Gene No.	51741	Strand	+
Start	260	End	516
Name	OJ990604_06.9920.C30.o1.gs	Method	GENSCAN
Start	260	End	516
GI	none	Score	.44
Exons	260..516		

Seq. No.	24930	Seq. ID	OJ990604_06.9920.C30
Gene No.	51742	Strand	+
Start	471	End	560
Name	OJ990604_06.9920.C30.o1.np	Method	AAT/NAP
Start	471	End	560
GI	4680183	Score	112
Exons	471..560		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	24931	Seq. ID	OJ990604_06.9920.C31

Gene No.	51743	Strand	-
Start	376	End	503
Name	OJ990604_06.9920.C31.o1.gs	Method	GENSCAN
Start	376	End	503
GI	none	Score	.99
Exons	376..503		

Seq. No.	24932	Seq. ID	OJ990604_06.9920.C32
Gene No.	51744	Strand	-
Start	19	End	298
Name	OJ990604_06.9920.C32.o1.gs	Method	GENSCAN
Start	19	End	298
GI	none	Score	.54
Exons	19..298		

Seq. No.	24933	Seq. ID	OJ990604_06.9920.C34
Gene No.	51745	Strand	+
Start	130	End	734
Name	OJ990604_06.9920.C34.o1.gs	Method	GENSCAN
Start	130	End	734
GI	none	Score	.92
Exons	130..330, 526..734		

Seq. No.	24934	Seq. ID	OJ990324_04.9922.C4
Gene No.	51746	Strand	-
Start	98	End	301
Name	OJ990324_04.9922.C4.o1.gp	Method	AAT/GAP
Start	98	End	301
GI	51400_1.R1084	Score	334
Exons	98..301		
GI Descrip.	'4519936/dbj|BAA75812.1| 3.0e-11 (AB019186) RPR1 [Oryza sativa]'		

Seq. No.	24934	Seq. ID	OJ990324_04.9922.C4
Gene No.	51747	Strand	-
Start	986	End	1444
Name	OJ990324_04.9922.C4.o1.gs	Method	GENSCAN
Start	986	End	1444
GI	none	Score	.43
Exons	986..1127, 1341..1444		

Seq. No.	24935	Seq. ID	OJ990324_04.9922.C5
Gene No.	51748	Strand	+
Start	2783	End	5473
Name	OJ990324_04.9922.C5.o1.np	Method	AAT/NAP
Start	2783	End	5473
GI	3335336	Score	244
Exons	2783..2892, 5143..5473		
GI Descrip.	(AC004512) Contains similarity to DnaJ gene YM8520.10 gb|825566 from from S. cerevisiae cosmid gb|Z49705. ESTs gb|Z47720 and gb|Z29879 come from this gene. [Arabidopsis thaliana]		

Seq. No.	24935	Seq. ID	OJ990324_04.9922.C5
Gene No.	51749	Strand	-
Start	12036	End	12383
Name	OJ990324_04.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	5150	End	5471
GI	none	Score	139

Exons	5150..5260, 5151..5264, 5159..5257, 5339..5470, 5340..5471, 5340..5468, 5341..5469		
Seq. No.	24935	Seq. ID	OJ990324_04.9922.C5
Gene No.	51749	Strand	-
Start	12036	End	12383
Name	OJ990324_04.9922.C5.o2.gs	Method	GENSCAN
Start	12036	End	12383
GI	none	Score	.79
Exons	12036..12383		
Seq. No.	24936	Seq. ID	OJ990324_04.9922.C6
Gene No.	51750	Strand	+
Start	385	End	2565
Name	OJ990324_04.9922.C6.o1.gs	Method	GENSCAN
Start	385	End	2565
GI	none	Score	.43
Exons	385..401, 1385..1570, 1818..1943, 1996..2119, 2271..2565		
Seq. No.	24937	Seq. ID	OJ990324_04.9922.C7
Gene No.	51751	Strand	+
Start	7248	End	10875
Name	OJ990324_04.9922.C7.o1.gp	Method	AAT/GAP
Start	7248	End	7842
GI	none	Score	901
Exons	7248..7293, 7408..7842		
Seq. No.	24937	Seq. ID	OJ990324_04.9922.C7
Gene No.	51751	Strand	+
Start	7248	End	10875
Name	OJ990324_04.9922.C7.o1.np	Method	AAT/NAP
Start	7414	End	10875
GI	6721512	Score	144
Exons	7414..7478, 9049..9183, 9211..9395, 10846..10875		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	24937	Seq. ID	OJ990324_04.9922.C7
Gene No.	51752	Strand	+
Start	12652	End	13162
Name	OJ990324_04.9922.C7.o3.gs	Method	GENSCAN
Start	12652	End	13162
GI	none	Score	.65
Exons	12652..12732, 13034..13162		
Seq. No.	24937	Seq. ID	OJ990324_04.9922.C7
Gene No.	51753	Strand	-
Start	963	End	1804
Name	OJ990324_04.9922.C7.o1.gs	Method	GENSCAN
Start	963	End	1804
GI	none	Score	.44
Exons	963..1228, 1306..1385, 1428..1804		
Seq. No.	24938	Seq. ID	OJ990324_04.9922.C8
Gene No.	51754	Strand	+
Start	24	End	430
Name	OJ990324_04.9922.C8.o1.gs	Method	GENSCAN
Start	24	End	430

GI	none	Score	.95
Exons	24..199, 268..430		

Seq. No.	24939	Seq. ID	OJ990324_04.9922.C9
Gene No.	51755	Strand	+
Start	348	End	1728
Name	OJ990324_04.9922.C9.o1.np	Method	AAT/NAP
Start	348	End	1728
GI	6862925	Score	104
Exons	348..389, 1548..1728		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51756	Strand	+
Start	8035	End	8323
Name	OJ990324_04.9922.C10.o1.gp	Method	AAT/GAP
Start	8035	End	8323
GI	3761679	Score	278
Exons	8035..8152, 8244..8323		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51757	Strand	+
Start	8382	End	10033
Name	OJ990324_04.9922.C10.o3.gs	Method	GENSCAN
Start	8382	End	10033
GI	none	Score	.96
Exons	8382..8852, 9041..9109, 9596..10033		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51758	Strand	+
Start	15987	End	20535
Name	OJ990324_04.9922.C10.o6.gs	Method	GENSCAN
Start	15987	End	20535
GI	none	Score	.73
Exons	15987..18759, 18882..19210, 19563..19588, 20388..20535		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51758	Strand	+
Start	15987	End	20535
Name	OJ990324_04.9922.C10.o1.np	Method	AAT/NAP
Start	16008	End	19243
GI	6522590	Score	1751
Exons	16008..17669, 17745..18759, 18882..19243		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51759	Strand	-
Start	245	End	3451
Name	OJ990324_04.9922.C10.o1.gs	Method	GENSCAN
Start	245	End	3451
GI	none	Score	.71
Exons	245..340, 1049..1120, 1380..1549, 1746..1793, 2460..2620, 3303..3451		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10

Gene No.	51760	Strand	-
Start	10669	End	11152
Name	OJ990324_04.9922.C10.o4.gs	Method	GENSCAN
Start	10669	End	11152
GI	none	Score	.82
Exons	10669..10938, 11006..11152		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51761	Strand	-
Start	11536	End	14145
Name	OJ990324_04.9922.C10.o5.gs	Method	GENSCAN
Start	11536	End	14145
GI	none	Score	.66
Exons	11536..11700, 11724..11823, 11926..11951, 12315..12678, 13111..13193, 13240..13408, 14072..14145		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	16272	End	18979
GI	none	Score	64
Exons	16272..16340, 16275..16340, 16278..16772, 16314..16700, 16353..16778, 16353..16706, 16356..16784, 16356..16784, 16356..16772, 16365..16784, 16374..16778, 16485..16772, 16503..16784, 16814..16939, 16827..16943, 16827..16943, 16830..16943, 17025..17084, 17037..17117, 17106..17228, 17106..17447, 17109..17444, 17121..17447, 17175..17459, 17175..17450, 17184..17447, 17184..17444, 17184..17405, 17192..17386, 17193..17447, 17207..17452, 17291..17455, 17324..17446, 17325..17456, 17328..17456, 17510..17737, 17510..17671, 17511..17882, 17511..17882, 17511..17885, 17511..17882, 17511..17882, 17511..17885, 17511..17879, 17511..17930, 17544..17888, 17556..17882, 17561..17737, 17616..17885, 17832..17945, 18522..18668, 18663..18785, 18881..18979		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	16275	End	17888
GI	none	Score	42
Exons	16275..16340, 16308..16772, 16356..16787, 16365..16778, 16389..16679, 16503..16784, 16800..16943, 16806..16904, 16827..16943, 16830..16943, 17037..17105, 17121..17450, 17121..17447, 17135..17176, 17175..17426, 17184..17447, 17186..17449, 17193..17447, 17219..17419, 17511..17864, 17511..17885, 17511..17882, 17511..17882, 17511..17885, 17544..17888, 17552..17686, 17561..17752, 17579..17677, 17610..17882, 17651..17749, 17679..17867		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	16287	End	17960

GI	none	Score	42
Exons	16287..16340, 16350..16772, 16356..16772, 16386..16787, 16662..16784, 16823..16954, 16824..16943, 17109..17447, 17121..17447, 17121..17447, 17127..17447, 17175..17447, 17211..17450, 17219..17446, 17510..17737, 17511..17945, 17511..17951, 17511..17882, 17511..17960, 17561..17809, 17574..17882, 17637..17882, 17721..17885		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	16389	End	17789
GI	none	Score	73
Exons	16389..16535, 16497..16661, 16677..16784, 16743..16820, 16830..16943, 16971..17138, 17006..17146, 17052..17282, 17616..17789		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	18159	End	19210
GI	none	Score	88
Exons	18159..18251, 18164..18247, 18311..18463, 18312..18482, 18462..18662, 18480..18668, 18521..18673, 18684..18758, 18871..18933, 18880..18999, 18881..19096, 19044..19097, 19100..19210		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	18159	End	18460
GI	none	Score	76
Exons	18159..18260, 18297..18452, 18320..18460		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	18303	End	18752
GI	none	Score	232
Exons	18303..18476, 18306..18479, 18320..18493, 18486..18692, 18500..18685, 18717..18752		

Seq. No.	24940	Seq. ID	OJ990324_04.9922.C10
Gene No.	51762	Strand	
Start	16272	End	19210
Name	OJ990324_04.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	18872	End	19210
GI	none	Score	79
Exons	18872..19066, 18876..19067, 18880..19074, 18881..19078, 19090..19209, 19094..19210		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51763	Strand	+

Start	1704	End	1945
Name	OJ990324_04.9922.C11.o1.gp	Method	AAT/GAP
Start	1704	End	1945
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	1704..1780, 1921..1945		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51764	Strand	+
Start	5441	End	6666
Name	OJ990324_04.9922.C11.o2.gs	Method	GENSCAN
Start	5441	End	6666
GI	none	Score	.61
Exons	5441..5853, 5891..6242, 6625..6666		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	7146
GI	128657	Score	1786
Exons	1..109, 1842..2231, 2943..3407, 6835..7146		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	3163	End	3413
GI	none	Score	371
Exons	3163..3411, 3164..3376, 3165..3413		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o2.gp	Method	AAT/GAP
Start	3497	End	4121
GI	3761363	Score	890
Exons	3497..4121		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o3.np	Method	AAT/NAP
Start	3637	End	8827
GI	133446	Score	286
Exons	3637..3679, 8639..8827		

GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o3.gp	Method	AAT/GAP
Start	4689	End	5423
GI	101153_1.R1084	Score	409
Exons	4689..4942, 5390..5423		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o2.np	Method	AAT/NAP
Start	6622	End	8544
GI	128636	Score	168
Exons	6622..6641, 8222..8393, 8445..8544		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	6832	End	7202
GI	none	Score	426
Exons	6832..7125, 6835..7134, 6836..7135, 6837..7136, 7094..7180, 7122..7202, 7122..7184, 7141..7194		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	8637	End	8827
GI	none	Score	263
Exons	8637..8822, 8639..8827, 8639..8824		

Seq. No.	24941	Seq. ID	OJ990324_04.9922.C11
Gene No.	51765	Strand	-
Start	1	End	8827
Name	OJ990324_04.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	8693	End	8827
GI	none	Score	169
Exons	8693..8827, 8693..8824		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51766	Strand	+
Start	1	End	4034
Name	OJ990324_04.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	4034
GI	4522005	Score	118
Exons	1..34, 798..972, 3996..4034		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase		

[Arabidopsis thaliana]

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51766	Strand	+
Start	1	End	4034
Name	OJ990324_04.9922.C12.o2.np	Method	AAT/NAP
Start	2554	End	3310
GI	133839	Score	572
Exons	2554..2656, 2925..3310		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S18 gi|71017|pir||R3RZ18 ribosomal protein S18 - rice chloroplast gi|12009|emb|CAA33970| (X15901) ribosomal protein S18 [Oryza sativa] gi|226631|prf||1603356BE ribosomal protein S18 [Oryza sativa]		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51767	Strand	-
Start	86	End	3682
Name	OJ990324_04.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	10	End	209
GI	none	Score	94
Exons	10..96, 14..124, 14..178, 122..166, 122..166, 123..167, 126..173, 127..180, 128..181, 129..179, 162..209, 163..207		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51767	Strand	-
Start	86	End	3682
Name	OJ990324_04.9922.C12.o1.gs	Method	GENSCAN
Start	86	End	3682
GI	none	Score	.63
Exons	86..154, 739..916, 2128..2218, 3129..3138, 3631..3682		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51767	Strand	-
Start	86	End	3682
Name	OJ990324_04.9922.C12.o1.gp	Method	AAT/GAP
Start	2093	End	2228
GI	uC-osflcyp099h10a1	Score	247
Exons	2093..2228		
GI Descrip.	'769724/dbj|BAA06828.1| 3.0e-27 (D32052) ORF92B [Oryza sativa]'		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51767	Strand	-
Start	86	End	3682
Name	OJ990324_04.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	2546	End	2676
GI	none	Score	98
Exons	2546..2611, 2546..2632, 2547..2633, 2548..2673, 2550..2633, 2607..2675, 2626..2676, 2628..2675, 2629..2676		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51767	Strand	-
Start	86	End	3682
Name	OJ990324_04.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	2921	End	3151
GI	none	Score	252
Exons	2921..3151, 2956..3147		

Seq. No.	24942	Seq. ID	OJ990324_04.9922.C12
Gene No.	51767	Strand	-
Start	86	End	3682
Name	OJ990324_04.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	2930	End	3294
GI	none	Score	252
Exons	2930..3151, 2956..3138, 2972..3142, 3196..3294		

Seq. No.	24943	Seq. ID	OJ990324_04.9922.C13
Gene No.	51768	Strand	+
Start	380	End	467
Name	OJ990324_04.9922.C13.o1.gp	Method	AAT/GAP
Start	380	End	467
GI	5607332	Score	67
Exons	380..467		
GI Descrip.	1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]		

Seq. No.	24943	Seq. ID	OJ990324_04.9922.C13
Gene No.	51769	Strand	+
Start	439	End	3376
Name	OJ990324_04.9922.C13.o1.np	Method	AAT/NAP
Start	439	End	3115
GI	134045	Score	83
Exons	439..508, 3063..3115		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S3 gi|70869|pir||R3ZMS3 ribosomal protein S3 - maize mitochondrion gi|13921|emb|CAA40690| (X57445) mitochondrial S3-like ribosomal protein [Zea mays]		

Seq. No.	24943	Seq. ID	OJ990324_04.9922.C13
Gene No.	51769	Strand	+
Start	439	End	3376
Name	OJ990324_04.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	2975	End	3376
GI	none	Score	69
Exons	2975..3049, 2979..3047, 3131..3376		

Seq. No.	24944	Seq. ID	OJ990324_04.9922.C14
Gene No.	51770	Strand	-
Start	828	End	915
Name	OJ990324_04.9922.C14.o1.gs	Method	GENSCAN
Start	828	End	915
GI	none	Score	.9
Exons	828..915		

Seq. No.	24945	Seq. ID	OJ990324_04.9922.C15
Gene No.	51771	Strand	-
Start	59	End	812
Name	OJ990324_04.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	1	End	288
GI	none	Score	79
Exons	1..102, 2..103, 118..288, 119..286		

Seq. No.	24945	Seq. ID	OJ990324_04.9922.C15
Gene No.	51771	Strand	-
Start	59	End	812

Name	OJ990324_04.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	4	End	810
GI	none	Score	101
Exons	4..132, 5..121, 181..810, 344..682, 376..684, 716..808		

Seq. No.	24945	Seq. ID	OJ990324_04.9922.C15
Gene No.	51771	Strand	-
Start	59	End	812
Name	OJ990324_04.9922.C15.o1.np	Method	AAT/NAP
Start	59	End	812
GI	6742729	Score	571
Exons	59..812		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	24945	Seq. ID	OJ990324_04.9922.C15
Gene No.	51771	Strand	-
Start	59	End	812
Name	OJ990324_04.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	181	End	606
GI	none	Score	150
Exons	181..606, 344..598		

Seq. No.	24945	Seq. ID	OJ990324_04.9922.C15
Gene No.	51771	Strand	-
Start	59	End	812
Name	OJ990324_04.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	538	End	811
GI	none	Score	195
Exons	538..810, 539..811		

Seq. No.	24946	Seq. ID	OJ990324_04.9922.C16
Gene No.	51772	Strand	+
Start	64	End	597
Name	OJ990324_04.9922.C16.o1.gs	Method	GENSCAN
Start	64	End	597
GI	none	Score	.65
Exons	64..597		

Seq. No.	24947	Seq. ID	OJ990324_04.9922.C18
Gene No.	51773	Strand	-
Start	1	End	1883
Name	OJ990324_04.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	1883
GI	6907089	Score	731
Exons	1..1065, 1102..1576, 1785..1883		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24947	Seq. ID	OJ990324_04.9922.C18
Gene No.	51773	Strand	-
Start	1	End	1883
Name	OJ990324_04.9922.C18.o1.gs	Method	GENSCAN
Start	105	End	1588
GI	none	Score	.8
Exons	105..276, 753..1588		

Seq. No.	24948	Seq. ID	OJ990324_04.9922.C19
Gene No.	51774	Strand	-

Start	1	End	4827
Name	OJ990324_04.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	4827
GI	6907089	Score	591
Exons	1..227, 4363..4827		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24948	Seq. ID	OJ990324_04.9922.C19
Gene No.	51775	Strand	-
Start	7013	End	8493
Name	OJ990324_04.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	6470	End	7396
GI	none	Score	67
Exons	6470..6619, 6608..6901, 6938..7396, 6960..7040, 7083..7151		

Seq. No.	24948	Seq. ID	OJ990324_04.9922.C19
Gene No.	51775	Strand	-
Start	7013	End	8493
Name	OJ990324_04.9922.C19.o2.np	Method	AAT/NAP
Start	7013	End	7417
GI	2462640	Score	502
Exons	7013..7417		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	24948	Seq. ID	OJ990324_04.9922.C19
Gene No.	51775	Strand	-
Start	7013	End	8493
Name	OJ990324_04.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	7017	End	8493
GI	none	Score	57
Exons	7017..7109, 8139..8303, 8150..8302, 8302..8406, 8306..8401, 8407..8493		

Seq. No.	24949	Seq. ID	OJ990324_04.9922.C20
Gene No.	51776	Strand	-
Start	89	End	3133
Name	OJ990324_04.9922.C20.o1.gs	Method	GENSCAN
Start	89	End	2867
GI	none	Score	.79
Exons	89..365, 608..1717, 2359..2561, 2587..2632, 2758..2867		

Seq. No.	24949	Seq. ID	OJ990324_04.9922.C20
Gene No.	51776	Strand	-
Start	89	End	3133
Name	OJ990324_04.9922.C20.o3.np	Method	AAT/NAP
Start	346	End	3133
GI	6721516	Score	62
Exons	346..388, 1999..2096, 2277..2385, 2415..2452, 3051..3133		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	24949	Seq. ID	OJ990324_04.9922.C20
Gene No.	51776	Strand	-
Start	89	End	3133
Name	OJ990324_04.9922.C20.o1.gp	Method	AAT/GAP
Start	1723	End	2037
GI	3106614	Score	509
Exons	1723..2037		

Seq. No.	24950	Seq. ID	OJ990324_04.9922.C21
Gene No.	51777	Strand	-
Start	158	End	367
Name	OJ990324_04.9922.C21.o1.gs	Method	GENSCAN
Start	158	End	367
GI	none	Score	.48
Exons	158..367		

Seq. No.	24950	Seq. ID	OJ990324_04.9922.C21
Gene No.	51778	Strand	-
Start	2607	End	2767
Name	OJ990324_04.9922.C21.o2.gs	Method	GENSCAN
Start	2607	End	2767
GI	none	Score	.74
Exons	2607..2767		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51779	Strand	+
Start	1	End	9358
Name	OJ990324_04.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	9358
GI	2129478	Score	98
Exons	1..72, 483..594, 655..728, 4854..4941, 5033..5093, 9332..9358		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51780	Strand	-
Start	5215	End	8156
Name	OJ990324_04.9922.C23.o2.gs	Method	GENSCAN
Start	5215	End	8156
GI	none	Score	.57
Exons	5215..5399, 7069..7783, 8073..8156		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	7145	End	8656
GI	none	Score	257
Exons	7145..7210, 8132..8410, 8133..8426, 8137..8412, 8549..8656, 8549..8653		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o3.gs	Method	GENSCAN
Start	8543	End	9012
GI	none	Score	.9
Exons	8543..9012		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o2.np	Method	AAT/NAP

Start	8546	End	9358
GI	6967112	Score	403
Exons	8546..9008, 9095..9358		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o1.ts	Method	TBLASTX:Soybean
Start	8735	End	9038
GI	none	Score	87
Exons	8735..8914, 8736..8909, 8909..9034, 8910..9038		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	8777	End	9259
GI	none	Score	57
Exons	8777..8917, 8933..9013, 8934..9014, 9127..9258, 9134..9259		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	8799	End	9019
GI	none	Score	232
Exons	8799..9014, 8800..9015, 8801..9019, 8801..9013		

Seq. No.	24951	Seq. ID	OJ990324_04.9922.C23
Gene No.	51781	Strand	-
Start	8543	End	9358
Name	OJ990324_04.9922.C23.o3.tm	Method	TBLASTX:Maize
Start	9059	End	9253
GI	none	Score	215
Exons	9059..9253, 9092..9238, 9094..9252		

Seq. No.	24952	Seq. ID	OJ990324_04.9922.C24
Gene No.	51782	Strand	-
Start	1	End	714
Name	OJ990324_04.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	714
GI	4585884	Score	157
Exons	1..111, 211..714		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24952	Seq. ID	OJ990324_04.9922.C24
Gene No.	51783	Strand	-
Start	677	End	1506
Name	OJ990324_04.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	313	End	540
GI	none	Score	183
Exons	313..540		

Seq. No.	24952	Seq. ID	OJ990324_04.9922.C24
Gene No.	51783	Strand	-
Start	677	End	1506

Name	OJ990324_04.9922.C24.o1.gs	Method	GENSCAN
Start	677	End	1506
GI	none	Score	.86
Exons	677..735, 1266..1506		

Seq. No.	24953	Seq. ID	OJ990324_04.9922.C27
Gene No.	51784	Strand	-
Start	1	End	850
Name	OJ990324_04.9922.C27.o1.np	Method	AAT/NAP
Start	1	End	719
GI	226691	Score	762
Exons	1..27, 165..719		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	24953	Seq. ID	OJ990324_04.9922.C27
Gene No.	51784	Strand	-
Start	1	End	850
Name	OJ990324_04.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	181	End	659
GI	none	Score	645
Exons	181..657, 182..316, 183..659, 183..656, 184..657		

Seq. No.	24953	Seq. ID	OJ990324_04.9922.C27
Gene No.	51784	Strand	-
Start	1	End	850
Name	OJ990324_04.9922.C27.o1.tc	Method	TBLASTX:Cress
Start	236	End	630
GI	none	Score	442
Exons	236..316, 237..626, 237..629, 238..630		

Seq. No.	24953	Seq. ID	OJ990324_04.9922.C27
Gene No.	51784	Strand	-
Start	1	End	850
Name	OJ990324_04.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	525	End	657
GI	none	Score	147
Exons	525..656, 526..657		

Seq. No.	24953	Seq. ID	OJ990324_04.9922.C27
Gene No.	51784	Strand	-
Start	1	End	850
Name	OJ990324_04.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	568	End	850
GI	none	Score	94
Exons	568..768, 655..741, 659..769, 659..832, 767..811, 767..811, 768..812, 771..818, 773..826, 774..824, 797..850, 807..848, 808..849		

Seq. No.	24954	Seq. ID	OJ990324_04.9922.C28
Gene No.	51785	Strand	-
Start	1	End	1236
Name	OJ990324_04.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	1204
GI	4680203	Score	444
Exons	1..101, 222..469, 593..1204		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	24954	Seq. ID	OJ990324_04.9922.C28
Gene No.	51785	Strand	-
Start	1	End	1236
Name	OJ990324_04.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	35	End	388
GI	none	Score	208
Exons	35..319, 37..318, 319..387, 335..388		

Seq. No.	24954	Seq. ID	OJ990324_04.9922.C28
Gene No.	51785	Strand	-
Start	1	End	1236
Name	OJ990324_04.9922.C28.o1.tw	Method	TBLASTX:Wheat
Start	35	End	363
GI	none	Score	62
Exons	35..148, 37..363, 182..316		

Seq. No.	24954	Seq. ID	OJ990324_04.9922.C28
Gene No.	51785	Strand	-
Start	1	End	1236
Name	OJ990324_04.9922.C28.o1.gs	Method	GENSCAN
Start	247	End	1236
GI	none	Score	49
Exons	247..827, 924..1236		

Seq. No.	24954	Seq. ID	OJ990324_04.9922.C28
Gene No.	51785	Strand	-
Start	1	End	1236
Name	OJ990324_04.9922.C28.o2.tw	Method	TBLASTX:Wheat
Start	919	End	1204
GI	none	Score	72
Exons	919..957, 970..1065, 1109..1204, 1111..1203		

Seq. No.	24955	Seq. ID	OJ990324_04.9922.C29
Gene No.	51786	Strand	-
Start	1	End	1968
Name	OJ990324_04.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	1968
GI	4680203	Score	541
Exons	1..34, 921..1235, 1269..1632, 1669..1968		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	24955	Seq. ID	OJ990324_04.9922.C29
Gene No.	51786	Strand	-
Start	1	End	1968
Name	OJ990324_04.9922.C29.o1.gs	Method	GENSCAN
Start	118	End	1767
GI	none	Score	.81
Exons	118..392, 547..686, 1015..1767		

Seq. No.	24955	Seq. ID	OJ990324_04.9922.C29
Gene No.	51786	Strand	-
Start	1	End	1968
Name	OJ990324_04.9922.C29.o1.tc	Method	TBLASTX:Cress
Start	917	End	1221
GI	none	Score	74
Exons	917..1036, 922..1221, 1076..1219		

Seq. No.	24955	Seq. ID	OJ990324_04.9922.C29
Gene No.	51786	Strand	-
Start	1	End	1968
Name	OJ990324_04.9922.C29.o1.tm	Method	TBLASTX:Maize
Start	922	End	1365
GI	none	Score	112
Exons	922..1116, 932..1084, 943..1089, 1102..1146, 1144..1221, 1279..1365		

Seq. No.	24955	Seq. ID	OJ990324_04.9922.C29
Gene No.	51786	Strand	-
Start	1	End	1968
Name	OJ990324_04.9922.C29.o1.ts	Method	TBLASTX:Soybean
Start	961	End	1422
GI	none	Score	101
Exons	961..1227, 962..1192, 1300..1422		

Seq. No.	24955	Seq. ID	OJ990324_04.9922.C29
Gene No.	51786	Strand	-
Start	1	End	1968
Name	OJ990324_04.9922.C29.o1.tw	Method	TBLASTX:Wheat
Start	961	End	1471
GI	none	Score	60
Exons	961..1095, 976..1104, 977..1105, 1096..1191, 1102..1221, 1103..1216, 1291..1467, 1340..1471		

Seq. No.	24956	Seq. ID	OJ990324_04.9922.C30
Gene No.	51787	Strand	-
Start	54	End	547
Name	OJ990324_04.9922.C30.o1.gs	Method	GENSCAN
Start	54	End	547
GI	none	Score	.81
Exons	54..114, 430..547		

Seq. No.	24957	Seq. ID	OJ990324_04.9922.C32
Gene No.	51788	Strand	-
Start	88	End	815
Name	OJ990324_04.9922.C32.o1.gs	Method	GENSCAN
Start	88	End	815
GI	none	Score	.99
Exons	88..156, 345..815		

Seq. No.	24958	Seq. ID	OJ990324_04.9922.C33
Gene No.	51789	Strand	-
Start	204	End	479
Name	OJ990324_04.9922.C33.o1.gp	Method	AAT/GAP
Start	204	End	479
GI	none	Score	487
Exons	204..479		

Seq. No.	24958	Seq. ID	OJ990324_04.9922.C33
Gene No.	51789	Strand	-
Start	204	End	479
Name	OJ990324_04.9922.C33.o1.gs	Method	GENSCAN
Start	221	End	422
GI	none	Score	.63
Exons	221..422		

Seq. No.	24959	Seq. ID	OJ990324_04.9922.C34
Gene No.	51790	Strand	+
Start	103	End	561
Name	OJ990324_04.9922.C34.o1.gp	Method	AAT/GAP
Start	103	End	561
GI	none	Score	902
Exons	103..561		

Seq. No.	24959	Seq. ID	OJ990324_04.9922.C34
Gene No.	51791	Strand	-
Start	27	End	250
Name	OJ990324_04.9922.C34.o1.gs	Method	GENSCAN
Start	27	End	250
GI	none	Score	.51
Exons	27..250		

Seq. No.	24960	Seq. ID	OJ990324_04.9922.C35
Gene No.	51792	Strand	-
Start	690	End	1188
Name	OJ990324_04.9922.C35.o1.gs	Method	GENSCAN
Start	690	End	1188
GI	none	Score	.45
Exons	690..832, 1113..1188		

Seq. No.	24961	Seq. ID	OJ990324_04.9922.C36
Gene No.	51793	Strand	-
Start	13	End	550
Name	OJ990324_04.9922.C36.o1.gs	Method	GENSCAN
Start	13	End	550
GI	none	Score	.62
Exons	13..550		

Seq. No.	24961	Seq. ID	OJ990324_04.9922.C36
Gene No.	51793	Strand	-
Start	13	End	550
Name	OJ990324_04.9922.C36.o1.np	Method	AAT/NAP
Start	222	End	538
GI	4914437	Score	115
Exons	222..394, 422..538		
GI Descrip.	(AL050351) putative protein [Arabidopsis thaliana]		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51794	Strand	+
Start	1012	End	1795
Name	OJ990324_04.9922.C37.o1.gs	Method	GENSCAN
Start	1012	End	1795
GI	none	Score	.58
Exons	1012..1118, 1390..1795		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51795	Strand	+
Start	10420	End	10497
Name	OJ990324_04.9922.C37.o2.np	Method	AAT/NAP
Start	10420	End	10497
GI	6630699	Score	92
Exons	10420..10497		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51796	Strand	+
Start	10634	End	12432
Name	OJ990324_04.9922.C37.o3.np	Method	AAT/NAP
Start	10634	End	12432
GI	6539570	Score	168
Exons	10634..10828, 10993..11086, 12399..12432		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51797	Strand	-
Start	2699	End	6715
Name	OJ990324_04.9922.C37.o2.gs	Method	GENSCAN
Start	2699	End	6715
GI	none	Score	.66
Exons	2699..2865, 2918..2930, 3276..3356, 3362..3508, 4156..4339, 4619..4666, 4747..4901, 5060..5454, 5459..5788, 5863..6110, 6329..6489, 6569..6715		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51797	Strand	-
Start	2699	End	6715
Name	OJ990324_04.9922.C37.o1.np	Method	AAT/NAP
Start	3234	End	4251
GI	6539588	Score	160
Exons	3234..3508, 4225..4251		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51798	Strand	-
Start	8608	End	9874
Name	OJ990324_04.9922.C37.o3.tm	Method	TBLASTX:Maize
Start	2695	End	2971
GI	none	Score	45
Exons	2695..2736, 2726..2971		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51798	Strand	-
Start	8608	End	9874
Name	OJ990324_04.9922.C37.o3.gs	Method	GENSCAN
Start	8608	End	9874
GI	none	Score	.84
Exons	8608..8917, 9019..9138, 9756..9874		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51798	Strand	-
Start	8608	End	9874
Name	OJ990324_04.9922.C37.o2.tm	Method	TBLASTX:Maize
Start	9331	End	9479
GI	none	Score	180
Exons	9331..9459, 9332..9460, 9333..9461, 9462..9479		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37

Gene No.	51799	Strand	
Start	11416	End	11730
Name	OJ990324_04.9922.C37.o1.tm	Method	TBLASTX:Maize
Start	11416	End	11730
GI	none	Score	222
Exons	11416..11730		

Seq. No.	24962	Seq. ID	OJ990324_04.9922.C37
Gene No.	51800	Strand	
Start	12040	End	12298
Name	OJ990324_04.9922.C37.o1.tw	Method	TBLASTX:Wheat
Start	12040	End	12298
GI	none	Score	80
Exons	12040..12297, 12098..12298		

Seq. No.	24963	Seq. ID	OJ990324_04.9922.C38
Gene No.	51801	Strand	+
Start	721	End	1494
Name	OJ990324_04.9922.C38.o1.np	Method	AAT/NAP
Start	721	End	1494
GI	6721562	Score	527
Exons	721..1494		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	24964	Seq. ID	OJ990324_04.9922.C39
Gene No.	51802	Strand	+
Start	1	End	1441
Name	OJ990324_04.9922.C39.o1.np	Method	AAT/NAP
Start	1	End	1081
GI	6721562	Score	1089
Exons	1..1081		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	24964	Seq. ID	OJ990324_04.9922.C39
Gene No.	51802	Strand	+
Start	1	End	1441
Name	OJ990324_04.9922.C39.o1.gs	Method	GENSCAN
Start	60	End	1441
GI	none	Score	.84
Exons	60..1441		

Seq. No.	24964	Seq. ID	OJ990324_04.9922.C39
Gene No.	51802	Strand	+
Start	1	End	1441
Name	OJ990324_04.9922.C39.o1.tm	Method	TBLASTX:Maize
Start	493	End	778
GI	none	Score	181
Exons	493..777, 530..778		

Seq. No.	24964	Seq. ID	OJ990324_04.9922.C39
Gene No.	51802	Strand	+
Start	1	End	1441
Name	OJ990324_04.9922.C39.o1.tw	Method	TBLASTX:Wheat
Start	503	End	880
GI	none	Score	227
Exons	503..880, 625..801		

Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	1648
GI	6498441	Score	1306
Exons	1..342, 406..779, 963..1097, 1253..1648		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o3.tw	Method	TBLASTX:Wheat
Start	1	End	306
GI	none	Score	264
Exons	1..306, 1..204, 18..287		

Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o1.tw	Method	TBLASTX:Wheat
Start	413	End	876
GI	none	Score	99
Exons	413..595, 414..875, 415..876, 415..876		

Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o1.tm	Method	TBLASTX:Maize
Start	544	End	900
GI	none	Score	375
Exons	544..900, 585..890		

Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o2.tm	Method	TBLASTX:Maize
Start	927	End	1292
GI	none	Score	248
Exons	927..1190, 928..1188, 1197..1292		

Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o2.tw	Method	TBLASTX:Wheat
Start	985	End	1367
GI	none	Score	256

Exons	985..1197, 988..1188, 990..1190, 1188..1367, 1196..1333		
Seq. No.	24965	Seq. ID	OJ990324_04.9922.C40
Gene No.	51803	Strand	+
Start	1	End	1648
Name	OJ990324_04.9922.C40.o1.ts	Method	TBLASTX:Soybean
Start	1063	End	1414
GI	none	Score	148
Exons	1063..1188, 1077..1187, 1173..1367, 1364..1414		
Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51804	Strand	+
Start	1	End	2564
Name	OJ990324_04.9922.C41.o1.np	Method	AAT/NAP
Start	1	End	2564
GI	6498441	Score	2744
Exons	1..606, 793..2190, 2284..2564		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51804	Strand	+
Start	1	End	2564
Name	OJ990324_04.9922.C41.o1.gs	Method	GENSCAN
Start	170	End	2499
GI	none	Score	.64
Exons	170..1220, 1239..1528, 1733..2499		
Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o4.tw	Method	TBLASTX:Wheat
Start	334	End	603
GI	none	Score	206
Exons	334..603, 426..599		
Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o1.ts	Method	TBLASTX:Soybean
Start	601	End	1026
GI	none	Score	87
Exons	601..714, 790..1026		
Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o2.tw	Method	TBLASTX:Wheat
Start	604	End	1080
GI	none	Score	134
Exons	604..720, 609..719, 750..998, 787..1080		
Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o1.tm	Method	TBLASTX:Maize

Start	1435	End	1758
GI	none	Score	349
Exons	1435..1758, 1452..1745		

Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o1.tw	Method	TBLASTX:Wheat
Start	1572	End	1953
GI	none	Score	382
Exons	1572..1628, 1573..1953, 1674..1922		

Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o3.tw	Method	TBLASTX:Wheat
Start	1956	End	2555
GI	none	Score	107
Exons	1956..2183, 1957..2400, 1958..1996, 1959..2057, 2097..2243, 2431..2460, 2466..2555		

Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o2.gs	Method	GENSCAN
Start	3238	End	3813
GI	none	Score	.98
Exons	3238..3813		

Seq. No.	24966	Seq. ID	OJ990324_04.9922.C41
Gene No.	51805	Strand	-
Start	3238	End	3953
Name	OJ990324_04.9922.C41.o2.np	Method	AAT/NAP
Start	3268	End	3953
GI	6907089	Score	537
Exons	3268..3953		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24967	Seq. ID	OJ990324_04.9922.C42
Gene No.	51806	Strand	+
Start	1	End	698
Name	OJ990324_04.9922.C42.o1.np	Method	AAT/NAP
Start	1	End	560
GI	6498441	Score	628
Exons	1..186, 279..560		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24967	Seq. ID	OJ990324_04.9922.C42
Gene No.	51806	Strand	+
Start	1	End	698
Name	OJ990324_04.9922.C42.o1.tw	Method	TBLASTX:Wheat
Start	3	End	551
GI	none	Score	153
Exons	3..395, 92..163, 147..191, 425..547, 426..551		

Seq. No.	24967	Seq. ID	OJ990324_04.9922.C42
Gene No.	51806	Strand	+
Start	1	End	698
Name	OJ990324_04.9922.C42.o1.gs	Method	GENSCAN
Start	48	End	698
GI	none	Score	.68
Exons	48..698		

Seq. No.	24968	Seq. ID	OJ990324_04.9922.C45
Gene No.	51807	Strand	+
Start	219	End	340
Name	OJ990324_04.9922.C45.o1.gs	Method	GENSCAN
Start	219	End	340
GI	none	Score	.75
Exons	219..340		

Seq. No.	24969	Seq. ID	OJ990324_04.9922.C46
Gene No.	51808	Strand	-
Start	32	End	184
Name	OJ990324_04.9922.C46.o1.gs	Method	GENSCAN
Start	32	End	184
GI	none	Score	.75
Exons	32..184		

Seq. No.	24970	Seq. ID	OJ990324_04.9922.C47
Gene No.	51809	Strand	+
Start	242	End	320
Name	OJ990324_04.9922.C47.o1.gs	Method	GENSCAN
Start	242	End	320
GI	none	Score	.56
Exons	242..320		

Seq. No.	24971	Seq. ID	OJ990324_04.9922.C48
Gene No.	51810	Strand	-
Start	1	End	691
Name	OJ990324_04.9922.C48.o1.np	Method	AAT/NAP
Start	1	End	691
GI	6862925	Score	108
Exons	1..252, 664..691		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	24971	Seq. ID	OJ990324_04.9922.C48
Gene No.	51810	Strand	-
Start	1	End	691
Name	OJ990324_04.9922.C48.o1.gs	Method	GENSCAN
Start	54	End	298
GI	none	Score	.9
Exons	54..298		

Seq. No.	24972	Seq. ID	OJ990604_10.9A29.C1
Gene No.	51811	Strand	+
Start	337	End	647
Name	OJ990604_10.9A29.C1.o1.gs	Method	GENSCAN
Start	337	End	647
GI	none	Score	.98
Exons	337..647		

Seq. No.	24973	Seq. ID	OJ990604_10.9A29.C4
Gene No.	51812	Strand	+
Start	630	End	953
Name	OJ990604_10.9A29.C4.o1.np	Method	AAT/NAP
Start	630	End	953
GI	3327204	Score	108
Exons	630..767, 842..953		
GI Descrip.	(AB014595) KIAA0695 protein [Homo sapiens]		

Seq. No.	24973	Seq. ID	OJ990604_10.9A29.C4
Gene No.	51812	Strand	+
Start	630	End	953
Name	OJ990604_10.9A29.C4.o1.tm	Method	TBLASTX:Maize
Start	650	End	952
GI	none	Score	195
Exons	650..763, 651..767, 652..792, 840..950, 841..945, 842..952		

Seq. No.	24973	Seq. ID	OJ990604_10.9A29.C4
Gene No.	51812	Strand	+
Start	630	End	953
Name	OJ990604_10.9A29.C4.o1.gs	Method	GENSCAN
Start	652	End	940
GI	none	Score	.91
Exons	652..767, 842..940		

Seq. No.	24973	Seq. ID	OJ990604_10.9A29.C4
Gene No.	51812	Strand	+
Start	630	End	953
Name	OJ990604_10.9A29.C4.o1.ts	Method	TBLASTX:Soybean
Start	654	End	952
GI	none	Score	154
Exons	654..767, 656..763, 842..952, 850..945		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51813	Strand	+
Start	1	End	4439
Name	OJ990604_10.9A29.C5.o1.np	Method	AAT/NAP
Start	1	End	4244
GI	3687389	Score	1819
Exons	1..245, 341..463, 662..949, 1397..1522, 1902..2003, 2094..2147, 2352..2458, 2701..2761, 2853..2971, 3066..3216, 3293..3373, 3469..3549, 3967..4047, 4134..4244		
GI Descrip.	(Y16124) putative cullin protein [Lycopersicon esculentum]		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51813	Strand	+
Start	1	End	4439
Name	OJ990604_10.9A29.C5.o1.gs	Method	GENSCAN
Start	111	End	4247
GI	none	Score	.95
Exons	111..245, 662..949, 1397..1522, 1902..2003, 2094..2147, 2352..2458, 2701..2761, 2853..2984, 3079..3216, 3293..3373, 3469..3549, 3967..4047, 4134..4247		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51813	Strand	+
Start	1	End	4439

Name	OJ990604_10.9A29.C5.o1.gp	Method	AAT/GAP
Start	2911	End	4439
GI	26540_1.R1084	Score	1289
Exons	2911..2984, 3079..3216, 3293..3373, 3469..3549, 3967..4047, 4134..4439		
GI Descrip.	'3327204/dbj|BAA31670| 4.0e-58 (AB014595) KIAA0695 protein [Homo sapiens]'		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51814	Strand	+
Start	5215	End	15878
Name	OJ990604_10.9A29.C5.o2.gs	Method	GENSCAN
Start	5215	End	15878
GI	none	Score	.77
Exons	5215..5577, 5685..5784, 6279..6383, 6463..6625, 6831..6951, 7461..7541, 7587..7648, 7823..7973, 8313..8399, 9126..9245, 9962..10069, 10658..10793, 11587..11697, 11736..11862, 11969..12041, 12598..12774, 12848..12958, 13025..13285, 13648..13818, 13910..14065, 14427..14660, 14773..14940, 15114..15262, 15350..15878		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51814	Strand	+
Start	5215	End	15878
Name	OJ990604_10.9A29.C5.o2.np	Method	AAT/NAP
Start	7076	End	13058
GI	4589674	Score	169
Exons	7076..7109, 7461..7550, 7722..7973, 8313..8396, 9126..9245, 9350..9481, 9579..9681, 13040..13058		
GI Descrip.	(AB023229) KIAA1012 protein [Homo sapiens]		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51814	Strand	+
Start	5215	End	15878
Name	OJ990604_10.9A29.C5.o2.gp	Method	AAT/GAP
Start	13761	End	14178
GI	none	Score	634
Exons	13761..13818, 13910..14178		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o1.tm	Method	TBLASTX:Maize
Start	62	End	4415
GI	none	Score	214
Exons	62..241, 63..245, 63..245, 335..397, 342..407, 343..399, 400..462, 401..463, 651..941, 659..949, 661..942, 699..944, 1391..1522, 1393..1527, 1872..2006, 1901..2011, 2091..2147, 2092..2148, 2094..2147, 2096..2149, 2349..2459, 2349..2378, 2351..2461, 2351..2458, 2424..2462, 2681..2761, 2684..2761, 2698..2763, 2851..2982, 2852..2983, 2871..2984, 3021..3215, 3049..3219, 3073..3219, 3290..3373, 3290..3376, 3291..3377, 3466..3552, 3467..3550, 3963..4052, 3964..4053, 3964..4047, 3966..4052, 4122..4250, 4122..4256, 4123..4266, 4139..4306, 4287..4415, 4299..4391		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5

Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o2.ts	Method	TBLASTX:Soybean
Start	62	End	867
GI	none	Score	290
Exons	62..244, 63..248, 69..248, 335..463, 339..383, 340..465, 340..459, 641..862, 659..862, 661..867		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o3.ts	Method	TBLASTX:Soybean
Start	1394	End	2887
GI	none	Score	206
Exons	1394..1522, 1396..1518, 1872..2006, 1898..2011, 2057..2149, 2091..2147, 2324..2461, 2349..2459, 2681..2761, 2704..2757, 2849..2887		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o1.tc	Method	TBLASTX:Cress
Start	2732	End	4247
GI	none	Score	55
Exons	2732..2761, 2839..2985, 2852..2995, 2871..2984, 3051..3215, 3052..3216, 3296..3373, 3305..3385, 3466..3552, 3466..3549, 3964..4053, 3969..4052, 4122..4247		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o1.ts	Method	TBLASTX:Soybean
Start	2891	End	3555
GI	none	Score	164
Exons	2891..2983, 2892..2984, 3021..3215, 3049..3219, 3071..3220, 3290..3373, 3290..3376, 3294..3389, 3460..3555, 3462..3551, 3466..3552		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o1.tw	Method	TBLASTX:Wheat
Start	3144	End	4207
GI	none	Score	78
Exons	3144..3215, 3144..3215, 3145..3216, 3145..3216, 3290..3376, 3296..3373, 3328..3375, 3466..3552, 3466..3555, 3467..3559, 3953..4045, 3963..4046, 3964..4053, 3964..4047, 3966..4052, 4122..4205, 4122..4205, 4133..4207		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o4.tm	Method	TBLASTX:Maize
Start	13916	End	14537
GI	none	Score	223
Exons	13916..14071, 13916..14065, 13918..14067, 14403..14537, 14419..14532, 14420..14533		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o2.tm	Method	TBLASTX:Maize
Start	14770	End	15581
GI	none	Score	65
Exons	14770..14829, 14854..14940, 15122..15196, 15150..15197, 15190..15261, 15204..15260, 15330..15518, 15344..15478, 15348..15518, 15508..15579, 15519..15581, 15536..15580		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o3.tm	Method	TBLASTX:Maize
Start	15582	End	15794
GI	none	Score	181
Exons	15582..15734, 15584..15739, 15617..15739, 15701..15793, 15729..15794		

Seq. No.	24974	Seq. ID	OJ990604_10.9A29.C5
Gene No.	51815	Strand	-
Start	18376	End	20067
Name	OJ990604_10.9A29.C5.o3.gs	Method	GENSCAN
Start	18376	End	20067
GI	none	Score	.64
Exons	18376..18603, 19477..19543, 20000..20067		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51816	Strand	+
Start	779	End	1808
Name	OJ990604_10.9A29.C6.o1.gs	Method	GENSCAN
Start	779	End	1771
GI	none	Score	.96
Exons	779..1771		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51816	Strand	+
Start	779	End	1808
Name	OJ990604_10.9A29.C6.o1.np	Method	AAT/NAP
Start	779	End	1808
GI	4206789	Score	958
Exons	779..1808		
GI Descrip.	(AF112864) syntaxin-related protein At-SYR1 [Arabidopsis thaliana] gi|6671938|gb|AAF23198.1|AC016795_11 (AC016795) putative syntaxin [Arabidopsis thaliana]		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51817	Strand	-
Start	2472	End	2786
Name	OJ990604_10.9A29.C6.o1.gp	Method	AAT/GAP
Start	2472	End	2786
GI	3768009	Score	589
Exons	2472..2786		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-

Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o2.tw	Method	TBLASTX:Wheat
Start	769	End	1030
GI	none	Score	60
Exons	769..810, 779..811, 899..1030, 902..1030		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o3.tm	Method	TBLASTX:Maize
Start	778	End	1150
GI	none	Score	55
Exons	778..810, 779..811, 899..1150, 902..1039		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o1.tc	Method	TBLASTX:Cress
Start	899	End	1642
GI	none	Score	818
Exons	899..1642, 902..1039, 1138..1485, 1259..1588, 1546..1641		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o1.ts	Method	TBLASTX:Soybean
Start	899	End	1537
GI	none	Score	691
Exons	899..1537, 902..1039, 1138..1485, 1259..1537		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o2.tm	Method	TBLASTX:Maize
Start	1196	End	1642
GI	none	Score	416
Exons	1196..1642, 1204..1548		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o1.tw	Method	TBLASTX:Wheat
Start	1234	End	1615
GI	none	Score	350
Exons	1234..1485, 1235..1615, 1259..1540		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o2.ts	Method	TBLASTX:Soybean
Start	2681	End	3215
GI	none	Score	181
Exons	2681..2905, 2684..2869, 2698..2913, 2911..3024, 2939..3007, 3082..3207, 3095..3208, 3105..3215, 3140..3214		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-

Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o1.tm	Method	TBLASTX:Maize
Start	2696	End	3208
GI	none	Score	190
Exons	2696..2869, 2698..3024, 2918..3007, 3097..3207, 3098..3208		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o2.gs	Method	GENSCAN
Start	2698	End	3264
GI	none	Score	.83
Exons	2698..3006, 3100..3264		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o2.tc	Method	TBLASTX:Cress
Start	2698	End	2874
GI	none	Score	76
Exons	2698..2874, 2700..2798, 2702..2872		

Seq. No.	24975	Seq. ID	OJ990604_10.9A29.C6
Gene No.	51818	Strand	-
Start	2698	End	3520
Name	OJ990604_10.9A29.C6.o2.np	Method	AAT/NAP
Start	2710	End	3520
GI	5306242	Score	308
Exons	2710..3011, 3078..3207, 3382..3520		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51819	Strand	+
Start	115	End	785
Name	OJ990604_10.9A29.C7.o1.gs	Method	GENSCAN
Start	115	End	785
GI	none	Score	.63
Exons	115..197, 617..785		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51820	Strand	+
Start	3347	End	3671
Name	OJ990604_10.9A29.C7.o2.gp	Method	AAT/GAP
Start	3347	End	3671
GI	uC-osf1M2020116f05a1	Score	650
Exons	3347..3671		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51821	Strand	-
Start	1	End	1599
Name	OJ990604_10.9A29.C7.o1.np	Method	AAT/NAP
Start	1	End	1387
GI	5306242	Score	186
Exons	1..41, 1087..1387		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51821	Strand	-
Start	1	End	1599
Name	OJ990604_10.9A29.C7.o2.gs	Method	GENSCAN
Start	1012	End	1413
GI	none	Score	1
Exons	1012..1413		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51821	Strand	-
Start	1	End	1599
Name	OJ990604_10.9A29.C7.o1.gp	Method	AAT/GAP
Start	1217	End	1599
GI	none	Score	722
Exons	1217..1599		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o1.tm	Method	TBLASTX:Maize
Start	1087	End	1369
GI	none	Score	82
Exons	1087..1149, 1090..1149, 1153..1362, 1159..1197, 1181..1369		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	1359
GI	none	Score	94
Exons	1087..1209, 1090..1197, 1210..1359, 1229..1348		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o1.tc	Method	TBLASTX:Cress
Start	1096	End	1392
GI	none	Score	121
Exons	1096..1392, 1106..1309		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o3.gs	Method	GENSCAN
Start	2260	End	9859
GI	none	Score	.67
Exons	2260..2625, 3189..3241, 3972..4437, 5236..5349, 5487..5714, 5885..6121, 7078..7176, 7248..7357, 9752..9859		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o2.np	Method	AAT/NAP
Start	2745	End	6706
GI	3075399	Score	444
Exons	2745..2848, 3972..4415, 5184..5349, 5487..5714, 5885..6060,		

6602..6706
GI Descrip. (AC004484) putative SF16 protein {Helianthus annuus} [Arabidopsis thaliana]

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o2.tm	Method	TBLASTX:Maize
Start	3735	End	4359
GI	none	Score	37
Exons	3735..3761, 3758..3823, 3762..3824, 3978..4031, 3979..4047, 4056..4358, 4064..4357, 4081..4359		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o1.tw	Method	TBLASTX:Wheat
Start	4039	End	4454
GI	none	Score	291
Exons	4039..4092, 4041..4454, 4041..4430, 4189..4431, 4301..4453		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o3.tm	Method	TBLASTX:Maize
Start	4360	End	6715
GI	none	Score	70
Exons	4360..4410, 4360..4410, 4361..4411, 5240..5359, 5241..5360, 5485..5691, 5486..5710, 5487..5711, 5878..6048, 5884..5946, 5891..6031, 6626..6712, 6657..6713, 6662..6715		

Seq. No.	24976	Seq. ID	OJ990604_10.9A29.C7
Gene No.	51822	Strand	-
Start	2260	End	9859
Name	OJ990604_10.9A29.C7.o3.gp	Method	AAT/GAP
Start	5204	End	5949
GI	2427772	Score	727
Exons	5204..5349, 5487..5714, 5885..5949		

GI Descrip. 3075399 3.0e-16 (AC004484) SF16-like protein [Arabidopsis thaliana]

Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51823	Strand	+
Start	1	End	6178
Name	OJ990604_10.9A29.C8.o1.np	Method	AAT/NAP
Start	1	End	2208
GI	1169382	Score	1552
Exons	1..46, 688..860, 944..1083, 1176..1452, 1558..1756, 1886..2208		

GI Descrip. DNAJ PROTEIN HOMOLOG 2 gi|542196|pir||S42031 LDJ2 protein - leek gi|454303|emb|CAA54720| (X77632) LDJ2 [Allium porrum]

Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51823	Strand	+
Start	1	End	6178
Name	OJ990604_10.9A29.C8.o1.gp	Method	AAT/GAP
Start	695	End	2422
GI	1190_2.R1084	Score	2515

Exons	695..858, 945..1083, 1176..1452, 1558..1756, 1886..2422		
GI Descrip.	'1125691/emb|CAA63965| 0.0e+00 (X94301) DnaJ protein [Solanum tuberosum]'		
Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51823	Strand	+
Start	1	End	6178
Name	OJ990604_10.9A29.C8.o1.gs	Method	GENSCAN
Start	696	End	6178
GI	none	Score	.7
Exons	696..858, 945..1083, 1176..1452, 1558..1756, 1886..2207, 3216..3294, 5491..5594, 6079..6178		
Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51824	Strand	-
Start	6484	End	6797
Name	OJ990604_10.9A29.C8.o2.gp	Method	AAT/GAP
Start	6484	End	6797
GI	5607599	Score	597
Exons	6484..6797		
Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51825	Strand	-
Start	7125	End	7415
Name	OJ990604_10.9A29.C8.o1.ts	Method	TBLASTX:Soybean
Start	676	End	2210
GI	none	Score	166
Exons	676..792, 693..794, 693..809, 694..795, 801..827, 810..854, 933..1085, 942..1052, 979..1086, 980..1084, 1176..1238, 1178..1339, 1179..1289, 1219..1353, 1265..1342, 1347..1451, 1402..1452, 1412..1459, 1551..1640, 1558..1629, 1611..1754, 1617..1706, 1618..1755, 1622..1759, 1846..2103, 1884..2102, 2175..2210		
Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51825	Strand	-
Start	7125	End	7415
Name	OJ990604_10.9A29.C8.o1.tm	Method	TBLASTX:Maize
Start	679	End	2216
GI	none	Score	230
Exons	679..849, 693..827, 693..851, 695..850, 945..1046, 945..1082, 946..1083, 980..1084, 983..1087, 1176..1451, 1179..1349, 1219..1353, 1402..1452, 1551..1754, 1556..1795, 1558..1755, 1912..2073, 1914..2033, 1914..2102, 1915..2103, 2175..2216		
Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51825	Strand	-
Start	7125	End	7415
Name	OJ990604_10.9A29.C8.o2.tw	Method	TBLASTX:Wheat
Start	679	End	827
GI	none	Score	182
Exons	679..792, 693..803, 693..803, 798..827		
Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51825	Strand	-
Start	7125	End	7415
Name	OJ990604_10.9A29.C8.o1.tc	Method	TBLASTX:Cress

Start	693	End	2103
GI	none	Score	222
Exons	693..827, 693..851, 701..844, 833..859, 939..1076, 979..1086, 980..1084, 1173..1349, 1174..1326, 1178..1330, 1179..1451, 1219..1353, 1402..1452, 1551..1754, 1554..1706, 1558..1755, 1843..2103, 1884..2027		

Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51825	Strand	-
Start	7125	End	7415
Name	OJ990604_10.9A29.C8.o1.tw	Method	TBLASTX:Wheat
Start	969	End	2103
GI	none	Score	90
Exons	969..1046, 976..1083, 979..1083, 980..1084, 983..1087, 1176..1331, 1176..1289, 1219..1353, 1249..1335, 1288..1353, 1347..1451, 1402..1452, 1412..1468, 1551..1754, 1554..1706, 1556..1762, 1558..1755, 1846..2103, 1884..2045, 1891..2073		

Seq. No.	24977	Seq. ID	OJ990604_10.9A29.C8
Gene No.	51825	Strand	-
Start	7125	End	7415
Name	OJ990604_10.9A29.C8.o3.gp	Method	AAT/GAP
Start	7125	End	7415
GI	62293_1.R1084	Score	513
Exons	7125..7415		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	24978	Seq. ID	OJ990604_10.9A29.C9
Gene No.	51826	Strand	-
Start	1	End	1917
Name	OJ990604_10.9A29.C9.o1.np	Method	AAT/NAP
Start	1	End	1781
GI	944916	Score	89
Exons	1..49, 910..1075, 1710..1781		
GI Descrip.	(U30322) cysteine proteinase [Mesembryanthemum crystallinum]		

Seq. No.	24978	Seq. ID	OJ990604_10.9A29.C9
Gene No.	51826	Strand	-
Start	1	End	1917
Name	OJ990604_10.9A29.C9.o1.gs	Method	GENSCAN
Start	731	End	1917
GI	none	Score	.95
Exons	731..1119, 1845..1917		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51827	Strand	+
Start	509	End	7172
Name	OJ990604_10.9A29.C10.o1.gs	Method	GENSCAN
Start	509	End	7172
GI	none	Score	.64
Exons	509..619, 1100..1718, 1802..2950, 3077..3291, 3382..3474, 3480..3994, 4091..4364, 4572..4745, 5055..5161, 5234..6230, 6315..7172		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10

Gene No.	51827	Strand	+
Start	509	End	7172
Name	OJ990604_10.9A29.C10.o1.np	Method	AAT/NAP
Start	1052	End	7136
GI	5922631	Score	6713
Exons	1052..1176, 1435..1679, 1937..2139, 2185..2756, 2799..2950, 3077..4002, 4609..7136		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51828	Strand	-
Start	591	End	1350
Name	OJ990604_10.9A29.C10.o1.gp	Method	AAT/GAP
Start	591	End	1350
GI	5816562	Score	646
Exons	591..1005, 1327..1350		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o7.tw	Method	TBLASTX:Wheat
Start	2361	End	2763
GI	none	Score	283
Exons	2361..2630, 2362..2763		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o6.tw	Method	TBLASTX:Wheat
Start	3343	End	4019
GI	none	Score	106
Exons	3343..3471, 3563..3799, 3567..3797, 3846..4019		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o7.tm	Method	TBLASTX:Maize
Start	3650	End	3828
GI	none	Score	187
Exons	3650..3796, 3651..3827, 3703..3828		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o1.tw	Method	TBLASTX:Wheat
Start	4019	End	4475
GI	none	Score	496
Exons	4019..4474, 4020..4475		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o3.ts	Method	TBLASTX:Soybean
Start	4059	End	4424
GI	none	Score	138
Exons	4059..4283, 4290..4424		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o2.tm	Method	TBLASTX:Maize
Start	4149	End	4505
GI	none	Score	350
Exons	4149..4505, 4190..4483		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o3.tm	Method	TBLASTX:Maize
Start	4533	End	4916
GI	none	Score	312
Exons	4533..4916, 4542..4868, 4637..4915		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o3.tw	Method	TBLASTX:Wheat
Start	4590	End	5014
GI	none	Score	409
Exons	4590..5009, 4634..5014, 4691..5011		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o1.ts	Method	TBLASTX:Soybean
Start	4668	End	5060
GI	none	Score	269
Exons	4668..5024, 4685..4828, 4701..5060		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o9.tw	Method	TBLASTX:Wheat
Start	5085	End	5303
GI	none	Score	202
Exons	5085..5303		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o2.ts	Method	TBLASTX:Soybean
Start	5295	End	5683
GI	none	Score	264
Exons	5295..5681, 5303..5398, 5435..5683		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10

Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o4.tw	Method	TBLASTX:Wheat
Start	5304	End	5726
GI	none	Score	404
Exons	5304..5726, 5309..5650		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o6.tm	Method	TBLASTX:Maize
Start	5357	End	5630
GI	none	Score	127
Exons	5357..5407, 5358..5528, 5385..5513, 5532..5630, 5564..5629		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o10.tw	Method	TBLASTX:Wheat
Start	5742	End	6041
GI	none	Score	139
Exons	5742..5876, 5744..5875, 5930..5998, 5943..6041		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o1.tm	Method	TBLASTX:Maize
Start	6038	End	6401
GI	none	Score	424
Exons	6038..6361, 6039..6362, 6354..6401		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o5.tw	Method	TBLASTX:Wheat
Start	6042	End	6433
GI	none	Score	395
Exons	6042..6203, 6044..6355, 6045..6431, 6240..6413, 6386..6433		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o5.tm	Method	TBLASTX:Maize
Start	6503	End	6776
GI	none	Score	92
Exons	6503..6601, 6504..6602, 6593..6667, 6597..6680, 6690..6776		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o2.tw	Method	TBLASTX:Wheat
Start	6552	End	7160
GI	none	Score	361
Exons	6552..7004, 6569..6655, 6696..6725, 6707..6835, 7029..7160		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-

Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o4.tm	Method	TBLASTX:Maize
Start	6858	End	7121
GI	none	Score	164
Exons	6858..7040, 6980..7039, 7019..7120, 7023..7121		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o2.gs	Method	GENSCAN
Start	7478	End	10429
GI	none	Score	.78
Exons	7478..7932, 8026..8130, 8202..8391, 8466..8665, 8731..9089, 9166..9484, 9541..10429		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o2.np	Method	AAT/NAP
Start	7505	End	10429
GI	6691716	Score	2462
Exons	7505..7952, 8026..8146, 8296..8391, 8466..8653, 8731..8910, 8989..9089, 9166..9343, 9541..10429		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24979	Seq. ID	OJ990604_10.9A29.C10
Gene No.	51829	Strand	-
Start	7478	End	10429
Name	OJ990604_10.9A29.C10.o8.tw	Method	TBLASTX:Wheat
Start	10019	End	10309
GI	none	Score	54
Exons	10019..10309, 10056..10169		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51830	Strand	+
Start	224	End	634
Name	OJ990604_10.9A29.C11.o1.gp	Method	AAT/GAP
Start	224	End	634
GI	5816562	Score	634
Exons	224..634		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51831	Strand	+
Start	590	End	787
Name	OJ990604_10.9A29.C11.o1.gs	Method	GENSCAN
Start	590	End	787
GI	none	Score	.64
Exons	590..787		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51832	Strand	+
Start	1471	End	1931
Name	OJ990604_10.9A29.C11.o2.gs	Method	GENSCAN

Start	1471	End	1931
GI	none	Score	.61
Exons	1471..1575, 1869..1931		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51833	Strand	+
Start	6215	End	6998
Name	OJ990604_10.9A29.C11.o1.np	Method	AAT/NAP
Start	6215	End	6998
GI	4510378	Score	401
Exons	6215..6261, 6429..6604, 6637..6716, 6762..6998		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51834	Strand	+
Start	9876	End	12171
Name	OJ990604_10.9A29.C11.o2.gp	Method	AAT/GAP
Start	9768	End	12152
GI	54546_1.R1084	Score	948
Exons	9768..9978, 10080..10181, 11750..11907, 12064..12152		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51834	Strand	+
Start	9876	End	12171
Name	OJ990604_10.9A29.C11.o5.gs	Method	GENSCAN
Start	9876	End	12171
GI	none	Score	.93
Exons	9876..9978, 10080..10181, 11750..11907, 12064..12171		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51834	Strand	+
Start	9876	End	12171
Name	OJ990604_10.9A29.C11.o2.np	Method	AAT/NAP
Start	9888	End	12168
GI	6671934	Score	339
Exons	9888..9978, 10080..10181, 11750..11907, 12064..12168		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51835	Strand	-
Start	2215	End	3055
Name	OJ990604_10.9A29.C11.o3.gs	Method	GENSCAN
Start	2215	End	3055
GI	none	Score	1
Exons	2215..2609, 2767..3055		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51836	Strand	
Start	9960	End	12153
Name	OJ990604_10.9A29.C11.o1.tm	Method	TBLASTX:Maize
Start	9960	End	12153
GI	none	Score	38
Exons	9960..9983, 10088..10186, 10090..10185, 11748..11906, 11749..11913, 12060..12146, 12064..12153		

Seq. No.	24980	Seq. ID	OJ990604_10.9A29.C11
Gene No.	51836	Strand	
Start	9960	End	12153
Name	OJ990604_10.9A29.C11.o1.tw	Method	TBLASTX:Wheat
Start	10082	End	12117
GI	none	Score	55
Exons	10082..10135, 10082..10147, 10126..10185, 10127..10186, 11748..11906, 11748..11906, 11749..11913, 11749..11907, 11750..11908, 12064..12117		

Seq. No.	24981	Seq. ID	OJ990604_10.9A29.C12
Gene No.	51837	Strand	+
Start	693	End	4338
Name	OJ990604_10.9A29.C12.o1.gs	Method	GENSCAN
Start	693	End	4338
GI	none	Score	.93
Exons	693..730, 1276..1444, 2201..2488, 2594..2710, 3057..3755, 3847..4338		

Seq. No.	24981	Seq. ID	OJ990604_10.9A29.C12
Gene No.	51838	Strand	-
Start	4884	End	7618
Name	OJ990604_10.9A29.C12.o2.tm	Method	TBLASTX:Maize
Start	1276	End	2490
GI	none	Score	131
Exons	1276..1452, 1277..1447, 2211..2378, 2213..2350, 2319..2489, 2348..2488, 2349..2489, 2350..2490		

Seq. No.	24981	Seq. ID	OJ990604_10.9A29.C12
Gene No.	51838	Strand	-
Start	4884	End	7618
Name	OJ990604_10.9A29.C12.o2.gs	Method	GENSCAN
Start	4884	End	7618
GI	none	Score	.59
Exons	4884..5522, 5724..6463, 6524..6676, 7394..7410, 7548..7618		

Seq. No.	24981	Seq. ID	OJ990604_10.9A29.C12
Gene No.	51838	Strand	-
Start	4884	End	7618
Name	OJ990604_10.9A29.C12.o1.tm	Method	TBLASTX:Maize
Start	5654	End	7170
GI	none	Score	60
Exons	5654..5788, 5670..5822, 5729..5815, 5742..5864, 5757..5876, 5773..5823, 5778..5876, 5778..5885, 5778..5876, 5796..5918, 5801..5869, 5802..5918, 5805..5924, 5841..5945, 5841..5939, 5843..5875, 5844..5945, 5847..5945, 5855..5929, 5856..5960, 5856..5993, 5868..6011, 5889..6032, 5889..6083, 5943..5966, 5976..6038, 5997..6038, 5997..6035, 5997..6038, 6033..6089, 6033..6083, 6033..6149, 6033..6086, 6033..6140, 6039..6143, 6045..6230, 6048..6125, 6087..6128, 6093..6176, 6138..6182, 6186..6317, 6186..6314, 6194..6325, 6321..6395, 6400..6519, 6408..6503, 6486..6551, 6486..6563, 6487..6552, 6549..6683, 6555..6680, 6556..6687, 6623..6688, 6683..6796, 6684..6797, 6691..6819, 6889..6921, 6976..7032, 6988..7059, 7021..7068, 7022..7066, 7105..7167, 7138..7170		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51839	Strand	+
Start	232	End	3383
Name	OJ990604_10.9A29.C13.o1.gs	Method	GENSCAN
Start	232	End	3221
GI	none	Score	.99
Exons	232..1093, 1537..1680, 2077..2192, 2460..2627, 2740..2964, 3090..3221		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51839	Strand	+
Start	232	End	3383
Name	OJ990604_10.9A29.C13.o1.np	Method	AAT/NAP
Start	232	End	3383
GI	3320104	Score	2220
Exons	232..1093, 1537..1680, 1802..1953, 2077..2192, 2460..2627, 2740..2964, 3090..3203, 3311..3383		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51839	Strand	+
Start	232	End	3383
Name	OJ990604_10.9A29.C13.o1.gp	Method	AAT/GAP
Start	895	End	1855
GI	LIB3434-043-P1-K1-E11	Score	657
Exons	895..1093, 1537..1679, 1800..1855		
GI Descrip.	'3320104/emb|CAA07481| 6.0e-56 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51839	Strand	+
Start	232	End	3383
Name	OJ990604_10.9A29.C13.o2.gp	Method	AAT/GAP
Start	2810	End	3166
GI	LIB3433-044-P1-K1-F12	Score	610
Exons	2810..3166		
GI Descrip.	'3320104/emb|CAA07481| 5.0e-14 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o1.tc	Method	TBLASTX:Cress
Start	232	End	3172
GI	none	Score	52
Exons	232..258, 261..290, 262..312, 417..449, 418..444, 565..1107, 651..1109, 1526..1678, 1533..1679, 1552..1683, 1784..1939, 1798..1860, 1830..1952, 1830..1958, 2079..2195, 2079..2189, 2081..2197, 2451..2624, 2457..2627, 2459..2626, 2739..2912, 2740..2964, 3089..3172, 3090..3134		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o2.ts	Method	TBLASTX:Soybean
Start	592	End	3149
GI	none	Score	625

Exons 592..1107, 651..1094, 1526..1687, 1533..1679, 1809..1841, 1830..1952, 2079..2195, 2079..2195, 2099..2197, 2457..2627, 2459..2608, 2722..2787, 2733..2876, 2740..2964, 3090..3149

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o2.tm	Method	TBLASTX:Maize
Start	624	End	1098
GI	none	Score	154
Exons	624..740, 625..1098, 651..1094		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o4.tw	Method	TBLASTX:Wheat
Start	774	End	1044
GI	none	Score	373
Exons	774..1043, 775..1044		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o5.tw	Method	TBLASTX:Wheat
Start	1051	End	1952
GI	none	Score	80
Exons	1051..1107, 1053..1097, 1526..1678, 1533..1679, 1830..1952, 1835..1951		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o5.tm	Method	TBLASTX:Maize
Start	1526	End	2000
GI	none	Score	251
Exons	1526..1678, 1533..1724, 1536..1694, 1824..2000, 1830..1952		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o4.tm	Method	TBLASTX:Maize
Start	2110	End	2952
GI	none	Score	123
Exons	2110..2193, 2117..2197, 2118..2195, 2457..2627, 2459..2626, 2470..2628, 2739..2918, 2740..2952, 2878..2940		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o3.tw	Method	TBLASTX:Wheat
Start	2499	End	3214
GI	none	Score	49
Exons	2499..2624, 2537..2626, 2538..2627, 2722..2787, 2739..2912, 2740..2964, 3089..3157, 3090..3158, 3176..3214		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-

Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o3.tm	Method	TBLASTX:Maize
Start	3725	End	7972
GI	none	Score	157
Exons	3725..3907, 7572..7667, 7572..7619, 7574..7699, 7682..7972, 7728..7928		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o3.gp	Method	AAT/GAP
Start	4864	End	6871
GI	none	Score	822
Exons	4864..5248, 6817..6871		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o2.gs	Method	GENSCAN
Start	4875	End	8167
GI	none	Score	.8
Exons	4875..4894, 6817..8167		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o2.np	Method	AAT/NAP
Start	6672	End	8171
GI	4510383	Score	1502
Exons	6672..8014, 8072..8171		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o1.tm	Method	TBLASTX:Maize
Start	6813	End	7571
GI	none	Score	764
Exons	6813..7379, 6815..7372, 7314..7532, 7387..7437, 7390..7422, 7430..7534, 7482..7571, 7490..7570		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o3.tc	Method	TBLASTX:Cress
Start	6896	End	7240
GI	none	Score	356
Exons	6896..7240, 6897..7238		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o1.ts	Method	TBLASTX:Soybean
Start	6899	End	7858
GI	none	Score	482
Exons	6899..7372, 6900..7373, 7329..7421, 7396..7437, 7396..7437, 7482..7664, 7490..7699, 7748..7858		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o2.tw	Method	TBLASTX:Wheat
Start	6924	End	7202
GI	none	Score	426
Exons	6924..7202, 6926..7201		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o2.tc	Method	TBLASTX:Cress
Start	7241	End	8014
GI	none	Score	134
Exons	7241..7372, 7242..7367, 7482..7508, 7490..7510, 7500..7664, 7508..7675, 7742..8014, 7773..8009		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o1.tw	Method	TBLASTX:Wheat
Start	7526	End	7895
GI	none	Score	201
Exons	7526..7699, 7527..7667, 7688..7894, 7728..7895		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o4.gp	Method	AAT/GAP
Start	7703	End	8152
GI	35760_1.R1084	Score	768
Exons	7703..8152		
GI Descrip.	'4510383/gb|AAD21471.1| 2.0e-28 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	24982	Seq. ID	OJ990604_10.9A29.C13
Gene No.	51840	Strand	-
Start	4875	End	8171
Name	OJ990604_10.9A29.C13.o3.ts	Method	TBLASTX:Soybean
Start	7859	End	8014
GI	none	Score	87
Exons	7859..8014, 7860..7931		

Seq. No.	24983	Seq. ID	OJ990604_10.9A29.C14
Gene No.	51841	Strand	+
Start	1851	End	4973
Name	OJ990604_10.9A29.C14.o1.np	Method	AAT/NAP
Start	1851	End	4973
GI	6907089	Score	4487
Exons	1851..4973		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	24983	Seq. ID	OJ990604_10.9A29.C14
Gene No.	51841	Strand	+
Start	1851	End	4973
Name	OJ990604_10.9A29.C14.o2.gs	Method	GENSCAN

Start	1851	End	4941
GI	none	Score	.76
Exons	1851..4941		

Seq. No.	24983	Seq. ID	OJ990604_10.9A29.C14
Gene No.	51842	Strand	-
Start	159	End	848
Name	OJ990604_10.9A29.C14.o1.gs	Method	GENSCAN
Start	159	End	848
GI	none	Score	.68
Exons	159..330, 814..848		

Seq. No.	24984	Seq. ID	OJ990604_10.9A29.C15
Gene No.	51843	Strand	+
Start	123	End	1450
Name	OJ990604_10.9A29.C15.o1.gs	Method	GENSCAN
Start	123	End	1339
GI	none	Score	.7
Exons	123..233, 300..560, 922..1092, 1184..1339		

Seq. No.	24984	Seq. ID	OJ990604_10.9A29.C15
Gene No.	51843	Strand	+
Start	123	End	1450
Name	OJ990604_10.9A29.C15.o1.gp	Method	AAT/GAP
Start	1035	End	1450
GI	none	Score	608
Exons	1035..1092, 1184..1450		

Seq. No.	24984	Seq. ID	OJ990604_10.9A29.C15
Gene No.	51843	Strand	+
Start	123	End	1450
Name	OJ990604_10.9A29.C15.o1.tm	Method	TBLASTX:Maize
Start	1190	End	1345
GI	none	Score	223
Exons	1190..1345, 1190..1339, 1192..1341		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51844	Strand	+
Start	231	End	841
Name	OJ990604_10.9A29.C17.o1.gs	Method	GENSCAN
Start	231	End	822
GI	none	Score	.74
Exons	231..236, 423..634, 661..822		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51844	Strand	+
Start	231	End	841
Name	OJ990604_10.9A29.C17.o2.np	Method	AAT/NAP
Start	673	End	841
GI	2984709	Score	225
Exons	673..841		
GI Descrip.	(AF053468) DnaJ-related protein ZMDJ1 [Zea mays]		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51845	Strand	-
Start	607	End	867
Name	OJ990604_10.9A29.C17.o1.gp	Method	AAT/GAP

Start	607	End	827
GI	1190_2.R1084	Score	407
Exons	607..827		
GI Descrip.	'1125691/emb|CAA63965| 0.0e+00 (X94301) DnaJ protein [Solanum tuberosum]'		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51845	Strand	-
Start	607	End	867
Name	OJ990604_10.9A29.C17.o1.ts	Method	TBLASTX:Soybean
Start	667	End	810
GI	none	Score	220
Exons	667..810, 672..809		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51845	Strand	-
Start	607	End	867
Name	OJ990604_10.9A29.C17.o1.tm	Method	TBLASTX:Maize
Start	669	End	866
GI	none	Score	285
Exons	669..866, 670..858		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51845	Strand	-
Start	607	End	867
Name	OJ990604_10.9A29.C17.o1.tw	Method	TBLASTX:Wheat
Start	670	End	837
GI	none	Score	259
Exons	670..837, 670..759, 672..836		

Seq. No.	24985	Seq. ID	OJ990604_10.9A29.C17
Gene No.	51845	Strand	-
Start	607	End	867
Name	OJ990604_10.9A29.C17.o1.tc	Method	TBLASTX:Cress
Start	690	End	867
GI	none	Score	218
Exons	690..857, 691..867		

Seq. No.	24986	Seq. ID	OJ990604_10.9A29.C20
Gene No.	51846	Strand	+
Start	44	End	653
Name	OJ990604_10.9A29.C20.o1.gs	Method	GENSCAN
Start	44	End	449
GI	none	Score	.66
Exons	44..449		

Seq. No.	24986	Seq. ID	OJ990604_10.9A29.C20
Gene No.	51846	Strand	+
Start	44	End	653
Name	OJ990604_10.9A29.C20.o1.np	Method	AAT/NAP
Start	44	End	653
GI	5902448	Score	1028
Exons	44..653		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	24986	Seq. ID	OJ990604_10.9A29.C20
Gene No.	51846	Strand	+

Start	44	End	653
Name	OJ990604_10.9A29.C20.o1.tw	Method	TBLASTX:Wheat
Start	164	End	454
GI	none	Score	214
Exons	164..454, 304..417		

Seq. No.	24987	Seq. ID	OJ990604_10.9A29.C21
Gene No.	51847	Strand	+
Start	77	End	861
Name	OJ990604_10.9A29.C21.o1.gs	Method	GENSCAN
Start	77	End	861
GI	none	Score	.72
Exons	77..361, 453..861		

Seq. No.	24988	Seq. ID	OJ990604_10.9A29.C22
Gene No.	51848	Strand	+
Start	1	End	630
Name	OJ990604_10.9A29.C22.o1.np	Method	AAT/NAP
Start	1	End	630
GI	3320104	Score	496
Exons	1..201, 323..476, 600..630		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	24988	Seq. ID	OJ990604_10.9A29.C22
Gene No.	51848	Strand	+
Start	1	End	630
Name	OJ990604_10.9A29.C22.o1.ts	Method	TBLASTX:Soybean
Start	60	End	481
GI	none	Score	215
Exons	60..200, 66..197, 71..199, 76..204, 319..474, 321..470, 323..481		

Seq. No.	24988	Seq. ID	OJ990604_10.9A29.C22
Gene No.	51848	Strand	+
Start	1	End	630
Name	OJ990604_10.9A29.C22.o1.tc	Method	TBLASTX:Cress
Start	62	End	630
GI	none	Score	227
Exons	62..199, 63..200, 319..474, 321..461, 331..480, 601..630		

Seq. No.	24988	Seq. ID	OJ990604_10.9A29.C22
Gene No.	51848	Strand	+
Start	1	End	630
Name	OJ990604_10.9A29.C22.o1.tm	Method	TBLASTX:Maize
Start	65	End	474
GI	none	Score	222
Exons	65..199, 66..200, 67..201, 70..213, 319..474, 321..473		

Seq. No.	24988	Seq. ID	OJ990604_10.9A29.C22
Gene No.	51848	Strand	+
Start	1	End	630
Name	OJ990604_10.9A29.C22.o1.tw	Method	TBLASTX:Wheat
Start	75	End	474
GI	none	Score	169
Exons	75..200, 77..199, 319..474, 321..473		

Seq. No.	24988	Seq. ID	OJ990604_10.9A29.C22
Gene No.	51848	Strand	+

Start	1	End	630
Name	OJ990604_10.9A29.C22.o1.gs	Method	GENSCAN
Start	86	End	475
GI	none	Score	.91
Exons	86..201, 323..475		

Seq. No.	24989	Seq. ID	OJ990604_10.9A29.C24
Gene No.	51849	Strand	+
Start	240	End	713
Name	OJ990604_10.9A29.C24.o1.tw	Method	TBLASTX:Wheat
Start	229	End	483
GI	none	Score	65
Exons	229..321, 240..329, 240..323, 409..483	242..328, 398..481, 398..481,	

Seq. No.	24989	Seq. ID	OJ990604_10.9A29.C24
Gene No.	51849	Strand	+
Start	240	End	713
Name	OJ990604_10.9A29.C24.o1.gp	Method	AAT/GAP
Start	240	End	713
GI	26540_1.R1084	Score	700
Exons	240..323, 410..713		
GI Descrip.	'3327204/dbj|BAA31670| 4.0e-58 (AB014595) KIAA0695 protein [Homo sapiens]'		

Seq. No.	24989	Seq. ID	OJ990604_10.9A29.C24
Gene No.	51849	Strand	+
Start	240	End	713
Name	OJ990604_10.9A29.C24.o1.tm	Method	TBLASTX:Maize
Start	240	End	689
GI	none	Score	128
Exons	240..329, 240..323, 242..328, 415..582, 563..685, 575..685,	398..526, 398..532, 399..542, 636..689	

Seq. No.	24989	Seq. ID	OJ990604_10.9A29.C24
Gene No.	51849	Strand	+
Start	240	End	713
Name	OJ990604_10.9A29.C24.o1.tc	Method	TBLASTX:Cress
Start	240	End	531
GI	none	Score	130
Exons	240..329, 245..328, 398..523,	409..531	

Seq. No.	24989	Seq. ID	OJ990604_10.9A29.C24
Gene No.	51849	Strand	+
Start	240	End	713
Name	OJ990604_10.9A29.C24.o1.gs	Method	GENSCAN
Start	243	End	523
GI	none	Score	.98
Exons	243..323, 410..523		

Seq. No.	24989	Seq. ID	OJ990604_10.9A29.C24
Gene No.	51849	Strand	+
Start	240	End	713
Name	OJ990604_10.9A29.C24.o1.np	Method	AAT/NAP
Start	243	End	520
GI	3687389	Score	227
Exons	243..323, 410..520		

GI Descrip.	(Y16124) putative cullin protein [Lycopersicon esculentum]		
Seq. No.	24990	Seq. ID	OJ990604_10.9A29.C25
Gene No.	51850	Strand	-
Start	133	End	633
Name	OJ990604_10.9A29.C25.o1.gs	Method	GENSCAN
Start	133	End	566
GI	none	Score	.64
Exons	133..566		
Seq. No.	24990	Seq. ID	OJ990604_10.9A29.C25
Gene No.	51850	Strand	-
Start	133	End	633
Name	OJ990604_10.9A29.C25.o1.np	Method	AAT/NAP
Start	136	End	633
GI	1196998	Score	864
Exons	136..633		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		
Seq. No.	24991	Seq. ID	OJ990604_10.9A29.C26
Gene No.	51851	Strand	+
Start	503	End	545
Name	OJ990604_10.9A29.C26.o1.gs	Method	GENSCAN
Start	503	End	545
GI	none	Score	.63
Exons	503..545		
Seq. No.	24992	Seq. ID	OJ990604_10.9A29.C27
Gene No.	51852	Strand	+
Start	352	End	459
Name	OJ990604_10.9A29.C27.o1.gs	Method	GENSCAN
Start	352	End	459
GI	none	Score	.51
Exons	352..459		
Seq. No.	24993	Seq. ID	OJ990604_10.9A29.C29
Gene No.	51853	Strand	+
Start	263	End	419
Name	OJ990604_10.9A29.C29.o1.gs	Method	GENSCAN
Start	263	End	419
GI	none	Score	.71
Exons	263..419		
Seq. No.	24994	Seq. ID	OJ990604_10.9A29.C30
Gene No.	51854	Strand	+
Start	1	End	358
Name	OJ990604_10.9A29.C30.o1.np	Method	AAT/NAP
Start	1	End	350
GI	1899175	Score	160
Exons	1..100, 225..350		
GI Descrip.	(U90262) calcium-dependent calmodulin-independent protein kinase		

CDPK [Cucurbita pepo]

Seq. No.	24994	Seq. ID	OJ990604_10.9A29.C30
Gene No.	51854	Strand	+
Start	1	End	358
Name	OJ990604_10.9A29.C30.o1.gs	Method	GENSCAN
Start	74	End	356
GI	none	Score	.8
Exons	74..100, 225..356		

Seq. No.	24994	Seq. ID	OJ990604_10.9A29.C30
Gene No.	51854	Strand	+
Start	1	End	358
Name	OJ990604_10.9A29.C30.o1.tw	Method	TBLASTX:Wheat
Start	218	End	358
GI	none	Score	169
Exons	218..355, 225..356, 230..358, 303..356		

Seq. No.	24995	Seq. ID	OJ990604_10.9A29.C32
Gene No.	51855	Strand	-
Start	577	End	1548
Name	OJ990604_10.9A29.C32.o2.tm	Method	TBLASTX:Maize
Start	537	End	680
GI	none	Score	126
Exons	537..680, 541..675		

Seq. No.	24995	Seq. ID	OJ990604_10.9A29.C32
Gene No.	51855	Strand	-
Start	577	End	1548
Name	OJ990604_10.9A29.C32.o1.np	Method	AAT/NAP
Start	540	End	1548
GI	6498441	Score	1433
Exons	540..821, 910..1548		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24995	Seq. ID	OJ990604_10.9A29.C32
Gene No.	51855	Strand	-
Start	577	End	1548
Name	OJ990604_10.9A29.C32.o1.gs	Method	GENSCAN
Start	577	End	1459
GI	none	Score	.6
Exons	577..1459		

Seq. No.	24995	Seq. ID	OJ990604_10.9A29.C32
Gene No.	51855	Strand	-
Start	577	End	1548
Name	OJ990604_10.9A29.C32.o1.tw	Method	TBLASTX:Wheat
Start	1042	End	1432
GI	none	Score	82
Exons	1042..1395, 1181..1324, 1349..1432		

Seq. No.	24995	Seq. ID	OJ990604_10.9A29.C32
Gene No.	51855	Strand	-
Start	577	End	1548
Name	OJ990604_10.9A29.C32.o1.tm	Method	TBLASTX:Maize

Start	1129	End	1392
GI	none	Score	127
Exons	1129..1242, 1240..1392		

Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51856	Strand	+
Start	5296	End	8040
Name	OJ990604_10.9A29.C33.o2.np	Method	AAT/NAP
Start	5296	End	8040
GI	5922623	Score	195
Exons	5296..5380, 5921..6064, 6232..6307, 7908..8040		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o1.np	Method	AAT/NAP
Start	1	End	4731
GI	6498441	Score	5595
Exons	1..859, 1031..1327, 1520..1946, 2122..2256, 2440..2813, 2877..3340, 3671..4731		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o3.tm	Method	TBLASTX:Maize
Start	2	End	217
GI	none	Score	122
Exons	2..217, 6..200		

Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o7.tw	Method	TBLASTX:Wheat
Start	3	End	319
GI	none	Score	115
Exons	3..161, 5..319, 56..205		

Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o8.tw	Method	TBLASTX:Wheat
Start	410	End	722
GI	none	Score	63
Exons	410..670, 521..709, 546..722		

Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o2.ts	Method	TBLASTX:Soybean
Start	470	End	1036
GI	5666795	Score	68

Exons	470..670, 725..862, 938..1036		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o3.tw	Method	TBLASTX:Wheat
Start	725	End	4183
GI	none	Score	93
Exons	725..874, 726..863, 908..1159, 909..1094, 935..1183, 4130..4183		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o6.tw	Method	TBLASTX:Wheat
Start	1731	End	2020
GI	none	Score	48
Exons	1731..1889, 1733..2020, 1926..2015		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o1.ts	Method	TBLASTX:Soybean
Start	1784	End	2156
GI	none	Score	83
Exons	1784..2014, 2010..2156, 2014..2139		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o2.tm	Method	TBLASTX:Maize
Start	1907	End	2292
GI	none	Score	60
Exons	1907..2101, 1926..2054, 2013..2291, 2014..2292		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o4.tw	Method	TBLASTX:Wheat
Start	2031	End	2342
GI	none	Score	193
Exons	2031..2342, 2044..2334		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o1.tm	Method	TBLASTX:Maize
Start	2319	End	2675
GI	none	Score	124
Exons	2319..2624, 2319..2675, 2329..2640		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o1.tw	Method	TBLASTX:Wheat
Start	2343	End	2805
GI	none	Score	215

Exons	2343..2804, 2349..2804, 2350..2805		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o3.ts	Method	TBLASTX:Soybean
Start	2400	End	2765
GI	none	Score	120
Exons	2400..2534, 2541..2765		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o2.tw	Method	TBLASTX:Wheat
Start	2970	End	3456
GI	none	Score	174
Exons	2970..3455, 3001..3261, 3283..3456		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o5.tw	Method	TBLASTX:Wheat
Start	4191	End	4743
GI	none	Score	95
Exons	4191..4448, 4225..4464, 4431..4529, 4432..4524, 4536..4583, 4708..4743		
Seq. No.	24996	Seq. ID	OJ990604_10.9A29.C33
Gene No.	51857	Strand	-
Start	1	End	4743
Name	OJ990604_10.9A29.C33.o4.tm	Method	TBLASTX:Maize
Start	4293	End	4578
GI	none	Score	92
Exons	4293..4541, 4294..4578		
Seq. No.	24997	Seq. ID	OJ990604_10.9A29.C35
Gene No.	51858	Strand	+
Start	1	End	624
Name	OJ990604_10.9A29.C35.o1.np	Method	AAT/NAP
Start	1	End	624
GI	6907089	Score	334
Exons	1..624		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	24997	Seq. ID	OJ990604_10.9A29.C35
Gene No.	51858	Strand	+
Start	1	End	624
Name	OJ990604_10.9A29.C35.o1.gs	Method	GENSCAN
Start	45	End	413
GI	none	Score	.79
Exons	45..413		
Seq. No.	24998	Seq. ID	OJ990604_10.9A29.C36
Gene No.	51859	Strand	+
Start	119	End	239
Name	OJ990604_10.9A29.C36.o1.gs	Method	GENSCAN
Start	119	End	239

GI	none	Score	.95
Exons	119..239		
Seq. No.	24999	Seq. ID	OJ990604_10.9A29.C38
Gene No.	51860	Strand	+
Start	255	End	486
Name	OJ990604_10.9A29.C38.o1.gp	Method	AAT/GAP
Start	255	End	486
GI	none	Score	438
Exons	255..486		
Seq. No.	24999	Seq. ID	OJ990604_10.9A29.C38
Gene No.	51860	Strand	+
Start	255	End	486
Name	OJ990604_10.9A29.C38.o1.tm	Method	TBLASTX:Maize
Start	255	End	379
GI	none	Score	112
Exons	255..374, 256..375, 257..379, 257..373		
Seq. No.	25000	Seq. ID	OJ990604_10.9A29.C40
Gene No.	51861	Strand	-
Start	281	End	693
Name	OJ990604_10.9A29.C40.o1.gs	Method	GENSCAN
Start	281	End	559
GI	none	Score	.93
Exons	281..559		
Seq. No.	25000	Seq. ID	OJ990604_10.9A29.C40
Gene No.	51861	Strand	-
Start	281	End	693
Name	OJ990604_10.9A29.C40.o1.np	Method	AAT/NAP
Start	350	End	693
GI	4206787	Score	356
Exons	350..693		
GI Descrip.	(AF112863) syntaxin-related protein Nt-syr1 [Nicotiana tabacum]		
Seq. No.	25000	Seq. ID	OJ990604_10.9A29.C40
Gene No.	51861	Strand	-
Start	281	End	693
Name	OJ990604_10.9A29.C40.o1.tm	Method	TBLASTX:Maize
Start	409	End	643
GI	none	Score	48
Exons	409..429, 410..589, 411..572, 443..589, 590..643, 593..643		
Seq. No.	25000	Seq. ID	OJ990604_10.9A29.C40
Gene No.	51861	Strand	-
Start	281	End	693
Name	OJ990604_10.9A29.C40.o1.tc	Method	TBLASTX:Cress
Start	410	End	692
GI	none	Score	179
Exons	410..691, 411..692		
Seq. No.	25000	Seq. ID	OJ990604_10.9A29.C40
Gene No.	51861	Strand	-
Start	281	End	693
Name	OJ990604_10.9A29.C40.o1.ts	Method	TBLASTX:Soybean
Start	437	End	692

GI	none	Score	185
Exons	437..691, 438..692		

Seq. No.	25000	Seq. ID	OJ990604_10.9A29.C40
Gene No.	51861	Strand	-
Start	281	End	693
Name	OJ990604_10.9A29.C40.o1.tw	Method	TBLASTX:Wheat
Start	437	End	688
GI	none	Score	165
Exons	437..688, 444..680		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51862	Strand	+
Start	2026	End	16911
Name	OJ990714_14.9A01.C1.o2.gs	Method	GENSCAN
Start	2026	End	6924
GI	none	Score	.81
Exons	2026..2174, 2200..2445, 2959..3061, 3206..3268, 3906..4164, 4776..4865, 4967..5149, 6181..6407, 6409..6924		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51862	Strand	+
Start	2026	End	16911
Name	OJ990714_14.9A01.C1.o1.np	Method	AAT/NAP
Start	4352	End	9480
GI	4263522	Score	638
Exons	4352..4378, 6368..7000, 8571..9480		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51862	Strand	+
Start	2026	End	16911
Name	OJ990714_14.9A01.C1.o3.gs	Method	GENSCAN
Start	8992	End	16911
GI	none	Score	.44
Exons	8992..9496, 9824..9916, 10410..10509, 10850..10925, 14015..14185, 15188..15274, 16145..16363, 16627..16911		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51863	Strand	+
Start	18196	End	31283
Name	OJ990714_14.9A01.C1.o4.gs	Method	GENSCAN
Start	18196	End	21081
GI	none	Score	.6
Exons	18196..18328, 19388..19419, 19556..19642, 19836..20083, 20910..21081		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51863	Strand	+
Start	18196	End	31283
Name	OJ990714_14.9A01.C1.o1.gp	Method	AAT/GAP
Start	19530	End	21042
GI	572476	Score	839
Exons	19530..19642, 19836..20057, 20910..21042		
GI Descrip.	3169172/gb|AAC17815.1| 9.0e-12 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445214_gb_AAC32444.1_ (AC004786) putative serine		

carboxypeptidase I [Arabidopsis thaliana]

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51863	Strand	+
Start	18196	End	31283
Name	OJ990714_14.9A01.C1.o2.np	Method	AAT/NAP
Start	19908	End	31019
GI	6598856	Score	700
Exons	19908..20057, 20910..21055, 21505..21584, 21734..21856, 26482..26588, 27103..27254, 28449..28527, 28677..28749, 28959..29026, 29156..29274, 29562..29675, 30735..30783, 30939..31019		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51863	Strand	+
Start	18196	End	31283
Name	OJ990714_14.9A01.C1.o6.gs	Method	GENSCAN
Start	25896	End	31022
GI	none	Score	.49
Exons	25896..25922, 26482..26584, 26933..26970, 27138..27239, 27360..27677, 28447..28527, 28955..29026, 29156..29274, 29580..29675, 30735..30783, 30939..31022		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51863	Strand	+
Start	18196	End	31283
Name	OJ990714_14.9A01.C1.o2.gp	Method	AAT/GAP
Start	28953	End	31283
GI	5816565	Score	1266
Exons	28953..29026, 29156..29274, 29562..29675, 30735..30783, 30939..31283		
GI Descrip.	3169175/gb|AAC17818.1| 2.0e-43 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51864	Strand	+
Start	37407	End	38021
Name	OJ990714_14.9A01.C1.o5.np	Method	AAT/NAP
Start	37407	End	38021
GI	6562319	Score	271
Exons	37407..37495, 37634..38021		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51865	Strand	-
Start	22089	End	25455
Name	OJ990714_14.9A01.C1.o5.gs	Method	GENSCAN
Start	22089	End	25455
GI	none	Score	.67
Exons	22089..22199, 23071..23230, 23578..23748, 24054..24185, 24286..24520, 25218..25455		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108

Name	OJ990714_14.9A01.C1.o5.tm	Method	TBLASTX:Maize
Start	6120	End	6456
GI	none	Score	139
Exons	6120..6218, 6122..6319, 6139..6219, 6317..6391, 6318..6392, 6403..6456		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o1.tc	Method	TBLASTX:Cress
Start	6397	End	9219
GI	none	Score	116
Exons	6397..6627, 6402..6533, 6649..6834, 6667..6828, 6685..6864, 6745..6864, 8629..8997, 8689..8994, 8704..8802, 8761..9009, 9010..9096, 9127..9219		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o1.tw	Method	TBLASTX:Wheat
Start	6397	End	9102
GI	none	Score	65
Exons	6397..6483, 6399..6524, 6399..6467, 6400..6543, 6493..6594, 6676..6768, 6685..6822, 6777..6884, 6778..6885, 8628..8933, 8629..8934, 8851..9102		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	6475	End	9462
GI	none	Score	77
Exons	6475..6591, 6652..6735, 6700..6828, 8629..8994, 8629..8802, 8698..9045, 8704..9096, 8818..9027, 8998..9078, 9057..9281, 9106..9282, 9142..9204, 9331..9462		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o1.ts	Method	TBLASTX:Soybean
Start	8605	End	9228
GI	none	Score	121
Exons	8605..8781, 8866..9228, 8889..9182		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o3.tc	Method	TBLASTX:Cress
Start	20014	End	26583
GI	none	Score	89
Exons	20014..20064, 20908..21036, 20910..21056, 20911..21057, 21752..21856, 26479..26583		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o3.tm	Method	TBLASTX:Maize

Start	20888	End	21057
GI	none	Score	77
Exons	20888..21055, 20908..21057, 20910..21056		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o2.tw	Method	TBLASTX:Wheat
Start	23068	End	23580
GI	none	Score	63
Exons	23068..23292, 23177..23227, 23276..23392, 23389..23580		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o2.tm	Method	TBLASTX:Maize
Start	23342	End	23713
GI	none	Score	54
Exons	23342..23407, 23343..23396, 23389..23580, 23413..23568, 23441..23584, 23592..23633, 23632..23658, 23654..23713		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o7.gs	Method	GENSCAN
Start	31982	End	33053
GI	none	Score	.58
Exons	31982..32121, 32484..32583, 32630..32762, 33004..33053		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o3.np	Method	AAT/NAP
Start	32417	End	37247
GI	4680204	Score	519
Exons	32417..32650, 33004..33160, 33188..33329, 33470..34552, 34645..35365, 37209..37247		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o8.gs	Method	GENSCAN
Start	33464	End	40108
GI	none	Score	.72
Exons	33464..34164, 34411..34573, 34645..34797, 34811..35168, 36635..36748, 37158..37237, 37477..37563, 37569..38022, 38386..38452, 38680..38790, 39958..40108		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o3.tw	Method	TBLASTX:Wheat
Start	34994	End	35333
GI	none	Score	66
Exons	34994..35026, 35030..35170, 35165..35332, 35235..35333		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o4.np	Method	AAT/NAP
Start	35344	End	38433
GI	5042463	Score	120
Exons	35344..35424, 35476..35613, 36277..36490, 38398..38433		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o4.tm	Method	TBLASTX:Maize
Start	37442	End	37886
GI	none	Score	39
Exons	37442..37465, 37447..37464, 37588..37641, 37589..37642, 37661..37816, 37742..37819, 37743..37820, 37839..37886		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o2.ts	Method	TBLASTX:Soybean
Start	37622	End	38009
GI	none	Score	159
Exons	37622..37816, 37766..37822, 37922..38005, 37926..38009		

Seq. No.	25001	Seq. ID	OJ990714_14.9A01.C1
Gene No.	51866	Strand	-
Start	31982	End	40108
Name	OJ990714_14.9A01.C1.o2.tc	Method	TBLASTX:Cress
Start	37634	End	38018
GI	none	Score	152
Exons	37634..37816, 37908..38018		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51867	Strand	+
Start	1734	End	2644
Name	OJ990714_14.9A01.C2.o1.gs	Method	GENSCAN
Start	1734	End	2644
GI	none	Score	.96
Exons	1734..1808, 2522..2644		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51868	Strand	+
Start	3660	End	9331
Name	OJ990714_14.9A01.C2.o2.np	Method	AAT/NAP
Start	3660	End	9331
GI	6069646	Score	163
Exons	3660..3721, 7440..7718, 9307..9331		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51869	Strand	+

Start	11603	End	18853
Name	OJ990714_14.9A01.C2.o3.gs	Method	GENSCAN
Start	11603	End	18853
GI	none	Score	.61
Exons	11603..11768, 12187..12299, 12885..13017, 13108..13214, 14131..14377, 14891..15031, 15165..15288, 15315..15436, 15769..15864, 16181..16299, 16316..16660, 16792..16977, 17009..17106, 17235..17911, 18055..18231, 18336..18427, 18605..18853		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51869	Strand	+
Start	11603	End	18853
Name	OJ990714_14.9A01.C2.o1.gp	Method	AAT/GAP
Start	17048	End	17454
GI	none	Score	405
Exons	17048..17106, 17187..17454		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51870	Strand	-
Start	4032	End	12690
Name	OJ990714_14.9A01.C2.o2.gs	Method	GENSCAN
Start	4032	End	9963
GI	none	Score	.48
Exons	4032..4202, 4503..4572, 5068..5294, 5540..5573, 5667..5951, 7427..7535, 7583..7716, 9388..9504, 9755..9963		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51870	Strand	-
Start	4032	End	12690
Name	OJ990714_14.9A01.C2.o1.np	Method	AAT/NAP
Start	6676	End	7295
GI	4538896	Score	256
Exons	6676..7295		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51870	Strand	-
Start	4032	End	12690
Name	OJ990714_14.9A01.C2.o3.np	Method	AAT/NAP
Start	9782	End	12690
GI	6742729	Score	500
Exons	9782..10910, 12631..12690		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o4.tm	Method	TBLASTX:Maize
Start	7028	End	7289
GI	none	Score	76
Exons	7028..7108, 7109..7171, 7109..7168, 7195..7287, 7198..7287, 7203..7289, 7206..7289		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311

Name	OJ990714_14.9A01.C2.o3.tw	Method	TBLASTX:Wheat
Start	9527	End	10566
GI	none	Score	53
Exons	9527..9601, 9620..9667, 9760..9819, 9761..9874, 9892..10044, 9989..10024, 10110..10286, 10140..10358, 10222..10362, 10423..10566, 10436..10552		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o4.np	Method	AAT/NAP
Start	13907	End	22736
GI	6539553	Score	4376
Exons	13907..15005, 19896..20320, 20565..21583, 21615..22736		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o2.tw	Method	TBLASTX:Wheat
Start	14041	End	14516
GI	none	Score	235
Exons	14041..14433, 14049..14426, 14442..14516, 14445..14516		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	14400	End	14710
GI	none	Score	137
Exons	14400..14642, 14406..14672, 14666..14710		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	14520	End	14866
GI	none	Score	103
Exons	14520..14651, 14653..14862, 14675..14866		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o4.gs	Method	GENSCAN
Start	19465	End	24311
GI	none	Score	.53
Exons	19465..19623, 19905..20026, 20062..20182, 20848..21058, 21847..21911, 22521..22623, 22977..23171, 24262..24311		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o2.ts	Method	TBLASTX:Soybean
Start	19899	End	20194

GI	none	Score	143
Exons	19899..20057, 20033..20194		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	20207	End	21153
GI	none	Score	101
Exons	20207..20320, 20208..20324, 20568..20666, 20571..20666, 20668..21108, 20735..21106, 20749..21108, 21097..21153		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o4.tw	Method	TBLASTX:Wheat
Start	21153	End	21374
GI	none	Score	179
Exons	21153..21371, 21155..21373, 21159..21374		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	21660	End	21926
GI	none	Score	141
Exons	21660..21854, 21661..21855, 21661..21855, 21821..21913, 21858..21917, 21858..21926		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	22303	End	22563
GI	none	Score	222
Exons	22303..22563, 22306..22491, 22308..22559		

Seq. No.	25002	Seq. ID	OJ990714_14.9A01.C2
Gene No.	51871	Strand	-
Start	13907	End	24311
Name	OJ990714_14.9A01.C2.o5.tw	Method	TBLASTX:Wheat
Start	22455	End	22789
GI	none	Score	99
Exons	22455..22562, 22459..22560, 22581..22742, 22623..22742, 22742..22789, 22749..22775		

Seq. No.	25003	Seq. ID	OJ990714_14.9A01.C3
Gene No.	51872	Strand	-
Start	144	End	468
Name	OJ990714_14.9A01.C3.o1.gs	Method	GENSCAN
Start	144	End	468
GI	none	Score	.99
Exons	144..289, 319..468		

Seq. No.	25003	Seq. ID	OJ990714_14.9A01.C3
Gene No.	51873	Strand	-
Start	742	End	1313

Name	OJ990714_14.9A01.C3.o1.gp	Method	AAT/GAP
Start	742	End	1313
GI	4879016	Score	831
Exons	742..1313		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51874	Strand	+
Start	1804	End	12819
Name	OJ990714_14.9A01.C4.o1.gs	Method	GENSCAN
Start	1804	End	8752
GI	none	Score	.55
Exons	1804..2034, 2639..2824, 4605..4685, 6528..6957, 6984..7358, 7367..8031, 8274..8752		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51874	Strand	+
Start	1804	End	12819
Name	OJ990714_14.9A01.C4.o1.np	Method	AAT/NAP
Start	6198	End	12783
GI	5922631	Score	2995
Exons	6198..6233, 7621..7750, 8026..8452, 8495..8749, 8874..9680, 10232..11533, 11573..12783		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51874	Strand	+
Start	1804	End	12819
Name	OJ990714_14.9A01.C4.o2.gs	Method	GENSCAN
Start	8823	End	12819
GI	none	Score	.57
Exons	8823..9656, 9744..10003, 10039..10555, 10568..11886, 12120..12819		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51875	Strand	+
Start	17313	End	21800
Name	OJ990714_14.9A01.C4.o4.gs	Method	GENSCAN
Start	17313	End	21800
GI	none	Score	.76
Exons	17313..17374, 17538..17628, 18471..18573, 18931..18968, 19133..19234, 19711..19791, 21391..21433, 21675..21800		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	2674	End	2877
GI	none	Score	194

Exons	2674..2877, 2721..2855		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	2722	End	2877
GI	none	Score	210
Exons	2722..2877, 2724..2870		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	3063	End	3354
GI	none	Score	74
Exons	3063..3110, 3064..3126, 3229..3354, 3231..3353		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o7.tw	Method	TBLASTX:Wheat
Start	8024	End	8422
GI	none	Score	59
Exons	8024..8074, 8075..8188, 8098..8136, 8147..8422, 8194..8373		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	9051	End	9506
GI	none	Score	136
Exons	9051..9233, 9059..9154, 9270..9506, 9272..9388, 9282..9491		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	9698	End	10098
GI	none	Score	428
Exons	9698..9826, 9699..10058, 9699..10052, 9893..10057, 10057..10098, 10061..10084		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	9831	End	10108
GI	none	Score	272
Exons	9831..10055, 9882..10040, 9893..10051, 10054..10107, 10061..10108		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	10112	End	10540

GI	none	Score	310
Exons	10112..10540, 10199..10456, 10327..10461		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	10214	End	10638
GI	none	Score	432
Exons	10214..10636, 10217..10618, 10324..10638		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	10268	End	10693
GI	none	Score	291
Exons	10268..10693, 10327..10452		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o6.tw	Method	TBLASTX:Wheat
Start	10783	End	11194
GI	none	Score	207
Exons	10783..11010, 10784..11008, 11018..11194, 11126..11194		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	10904	End	11290
GI	none	Score	88
Exons	10904..11032, 11039..11290		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o8.tw	Method	TBLASTX:Wheat
Start	11195	End	11551
GI	none	Score	233
Exons	11195..11551, 11203..11550		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	11693	End	11997
GI	none	Score	318
Exons	11693..11989, 11710..11997		

Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	11693	End	12076
GI	none	Score	323

Exons	11693..12076, 11701..12075		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	12199	End	12807
GI	none	Score	369
Exons	12199..12651, 12204..12302, 12348..12455, 12676..12807, 12681..12806		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	12505	End	12771
GI	none	Score	156
Exons	12505..12687, 12574..12693, 12678..12737, 12688..12771		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o3.gs	Method	GENSCAN
Start	13613	End	16696
GI	none	Score	.4
Exons	13613..13944, 14055..14200, 14437..14741, 14760..15069, 15135..15193, 15264..15455, 15725..15807, 15812..16530, 16596..16696		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o2.np	Method	AAT/NAP
Start	14304	End	15519
GI	6721561	Score	1145
Exons	14304..15069, 15135..15193, 15264..15519		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o3.np	Method	AAT/NAP
Start	14864	End	16445
GI	6721558	Score	206
Exons	14864..15080, 15517..15646, 16346..16445		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	25004	Seq. ID	OJ990714_14.9A01.C4
Gene No.	51876	Strand	-
Start	13613	End	18972
Name	OJ990714_14.9A01.C4.o4.np	Method	AAT/NAP

Start	15650	End	18972
GI	6721512	Score	83
Exons	15650..15679, 17098..17238, 17266..17378, 18080..18101, 18940..18972		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5
Gene No.	51877	Strand	+
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	1816
GI	4185148	Score	192
Exons	1..46, 1464..1816		
GI Descrip.	(AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5
Gene No.	51877	Strand	-
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	485	End	775
GI	none	Score	61
Exons	485..583, 578..775, 581..706		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5
Gene No.	51877	Strand	-
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	854	End	1225
GI	none	Score	100
Exons	854..1219, 855..1085, 971..1225		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5
Gene No.	51877	Strand	-
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	947	End	1417
GI	none	Score	70
Exons	947..1033, 951..1028, 1046..1417, 1230..1337, 1310..1417		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5
Gene No.	51877	Strand	-
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	1316	End	1813
GI	none	Score	71
Exons	1316..1432, 1460..1498, 1505..1813, 1518..1658		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5
Gene No.	51877	Strand	-
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	1460	End	1696
GI	none	Score	114
Exons	1460..1696, 1461..1676		

Seq. No.	25005	Seq. ID	OJ990714_14.9A01.C5

Gene No.	51877	Strand	-
Start	1	End	1816
Name	OJ990714_14.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	1490	End	1816
GI	none	Score	86
Exons	1490..1675, 1664..1816, 1692..1808		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51878	Strand	+
Start	5492	End	7293
Name	OJ990714_14.9A01.C6.o1.np	Method	AAT/NAP
Start	5492	End	7293
GI	6063554	Score	947
Exons	5492..5756, 5874..6092, 6442..6472, 7119..7293		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51878	Strand	+
Start	5492	End	7293
Name	OJ990714_14.9A01.C6.o1.gp	Method	AAT/GAP
Start	5939	End	6668
GI	101153_1.R1084	Score	486
Exons	5939..6084, 6434..6668		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51879	Strand	+
Start	14084	End	14955
Name	OJ990714_14.9A01.C6.o4.gs	Method	GENSCAN
Start	14084	End	14955
GI	none	Score	.75
Exons	14084..14139, 14197..14300, 14575..14671, 14832..14955		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51880	Strand	+
Start	15938	End	16480
Name	OJ990714_14.9A01.C6.o5.gs	Method	GENSCAN
Start	15938	End	16480
GI	none	Score	.97
Exons	15938..16480		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51881	Strand	+
Start	16600	End	18182
Name	OJ990714_14.9A01.C6.o6.gs	Method	GENSCAN
Start	16600	End	18182
GI	none	Score	.94
Exons	16600..17661, 17765..17872, 17967..18182		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51882	Strand	-
Start	5774	End	7098
Name	OJ990714_14.9A01.C6.o2.gs	Method	GENSCAN
Start	5774	End	7098

GI	none	Score	.98
Exons	5774..6249, 7020..7098		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51883	Strand	-
Start	7660	End	7921
Name	OJ990714_14.9A01.C6.o2.gp	Method	AAT/GAP
Start	7660	End	7921
GI	61605_3.R1084	Score	437
Exons	7660..7921		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51884	Strand	-
Start	8616	End	12959
Name	OJ990714_14.9A01.C6.o3.gs	Method	GENSCAN
Start	8616	End	12959
GI	none	Score	.76
Exons	8616..8659, 9974..10143, 10403..10531, 10801..10822, 11605..11700, 12339..12514, 12814..12959		

Seq. No.	25006	Seq. ID	OJ990714_14.9A01.C6
Gene No.	51885	Strand	-
Start	19778	End	20245
Name	OJ990714_14.9A01.C6.o7.gs	Method	GENSCAN
Start	19778	End	20245
GI	none	Score	.84
Exons	19778..20245		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51886	Strand	+
Start	1300	End	1821
Name	OJ990714_14.9A01.C7.o1.gp	Method	AAT/GAP
Start	1300	End	1821
GI	LIB3434-038-P1-K1-F1	Score	752
Exons	1300..1821		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51887	Strand	+
Start	2633	End	20716
Name	OJ990714_14.9A01.C7.o1.np	Method	AAT/NAP
Start	2633	End	8411
GI	5257279	Score	6812
Exons	2633..3178, 3527..3762, 4393..7111, 7328..7490, 7605..8411		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51887	Strand	+
Start	2633	End	20716
Name	OJ990714_14.9A01.C7.o2.np	Method	AAT/NAP
Start	4486	End	9482
GI	5002510	Score	1357
Exons	4486..4584, 5703..8618, 9437..9482		

GI Descrip.	(AB028236) Pol (reverse transcriptase-RNase H-integrase) [Tricholoma nauseosum]		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51887	Strand	+
Start	2633	End	20716
Name	OJ990714_14.9A01.C7.o2.gp	Method	AAT/GAP
Start	5583	End	6944
GI	4107139	Score	2520
Exons	5583..6944		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51887	Strand	+
Start	2633	End	20716
Name	OJ990714_14.9A01.C7.o3.np	Method	AAT/NAP
Start	7819	End	18222
GI	5852180	Score	469
Exons	7819..7849, 11435..11488, 12472..12590, 12642..13070, 18189..18222		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51887	Strand	+
Start	2633	End	20716
Name	OJ990714_14.9A01.C7.o2.gs	Method	GENSCAN
Start	12706	End	13074
GI	none	Score	.62
Exons	12706..13074		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51887	Strand	+
Start	2633	End	20716
Name	OJ990714_14.9A01.C7.o4.np	Method	AAT/NAP
Start	17643	End	20716
GI	5902445	Score	2899
Exons	17643..20716		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51888	Strand	+
Start	25412	End	25730
Name	OJ990714_14.9A01.C7.o8.np	Method	AAT/NAP
Start	25412	End	25730
GI	6815052	Score	338
Exons	25412..25565, 25647..25730		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51889	Strand	-
Start	11337	End	11718
Name	OJ990714_14.9A01.C7.o3.gp	Method	AAT/GAP
Start	11337	End	11718
GI	uC-osflcyp033a04b1	Score	655
Exons	11337..11718		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o10.tw	Method	TBLASTX:Wheat
Start	4286	End	4672
GI	none	Score	162
Exons	4286..4486, 4309..4491, 4526..4672		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o7.tm	Method	TBLASTX:Maize
Start	5219	End	5544
GI	none	Score	212
Exons	5219..5542, 5266..5367, 5410..5544		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o12.tw	Method	TBLASTX:Wheat
Start	5224	End	5602
GI	none	Score	141
Exons	5224..5346, 5225..5446, 5225..5383, 5444..5596, 5480..5602, 5491..5601		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o4.tw	Method	TBLASTX:Wheat
Start	5774	End	18107
GI	none	Score	557
Exons	5774..6256, 5878..6081, 5894..6223, 6109..6252, 17814..18107		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	5906	End	18074
GI	none	Score	174
Exons	5906..6151, 17718..18074, 17753..18073		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	6197	End	18473
GI	none	Score	54
Exons	6197..6229, 6227..6562, 6228..6386, 6233..6592, 6235..6591, 18132..18473		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o6.tm	Method	TBLASTX:Maize
Start	6197	End	18464

GI	none	Score	140
Exons	6197..6472, 18123..18464, 18248..18463		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o5.tw	Method	TBLASTX:Wheat
Start	6305	End	18467
GI	none	Score	391
Exons	6305..6604, 6305..6541, 6307..6591, 18195..18467		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	6478	End	6919
GI	none	Score	466
Exons	6478..6906, 6479..6919, 6620..6907		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	6608	End	7111
GI	none	Score	634
Exons	6608..7111, 6616..7110		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o3.ts	Method	TBLASTX:Soybean
Start	6614	End	6859
GI	none	Score	212
Exons	6614..6859, 6619..6744		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o3.tw	Method	TBLASTX:Wheat
Start	7111	End	19936
GI	none	Score	578
Exons	7111..7587, 7112..7591, 19703..19855, 19859..19936		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o2.ts	Method	TBLASTX:Soybean
Start	7391	End	7645
GI	none	Score	224
Exons	7391..7591, 7399..7644, 7400..7645		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o5.tm	Method	TBLASTX:Maize
Start	7447	End	7738
GI	none	Score	332

Exons	7447..7734, 7448..7738		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	7622	End	8233
GI	none	Score	666
Exons	7622..8233, 7663..8232		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	7790	End	8374
GI	none	Score	216
Exons	7790..7948, 7792..7944, 7796..7945, 7877..8086, 7941..8087, 7945..8304, 7945..8361, 7946..8374		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o6.tw	Method	TBLASTX:Wheat
Start	8233	End	8566
GI	none	Score	364
Exons	8233..8457, 8234..8566		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o8.tm	Method	TBLASTX:Maize
Start	8374	End	8611
GI	none	Score	187
Exons	8374..8502, 8375..8611		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o11.tw	Method	TBLASTX:Wheat
Start	15964	End	16310
GI	none	Score	59
Exons	15964..16041, 16049..16099, 16050..16310, 16142..16309		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o8.tw	Method	TBLASTX:Wheat
Start	16941	End	17708
GI	none	Score	124
Exons	16941..17123, 16949..17122, 17160..17390, 17162..17278, 17172..17381, 17321..17386, 17454..17708, 17544..17690, 17567..17707		
Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o9.tw	Method	TBLASTX:Wheat

Start	18694	End	19101
GI	none	Score	187
Exons	18694..18918, 18747..18920, 18928..19101, 18966..19049, 19036..19101		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o4.tm	Method	TBLASTX:Maize
Start	19592	End	19897
GI	none	Score	351
Exons	19592..19897, 19609..19896		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o7.tw	Method	TBLASTX:Wheat
Start	20097	End	20662
GI	none	Score	58
Exons	20097..20291, 20111..20551, 20113..20202, 20248..20355, 20573..20662		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o4.gs	Method	GENSCAN
Start	21334	End	25704
GI	none	Score	61
Exons	21334..21848, 21958..22103, 22403..22700, 22824..22833, 23132..23317, 23386..23510, 23700..23746, 23892..24050, 24526..24605, 24983..25003, 25510..25704		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o6.np	Method	AAT/NAP
Start	21514	End	24307
GI	6721558	Score	238
Exons	21514..21608, 23380..23510, 24208..24307		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7
Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o5.np	Method	AAT/NAP
Start	22239	End	23826
GI	6721561	Score	887
Exons	22239..22926, 23008..23066, 23132..23316, 23756..23826		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25007	Seq. ID	OJ990714_14.9A01.C7

Gene No.	51890	Strand	-
Start	21334	End	25935
Name	OJ990714_14.9A01.C7.o7.np	Method	AAT/NAP
Start	24992	End	25935
GI	6721512	Score	93
Exons	24992..25130, 25158..25277, 25891..25935		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51891	Strand	+
Start	264	End	4562
Name	OJ990714_14.9A01.C8.o1.np	Method	AAT/NAP
Start	264	End	4562
GI	6815052	Score	2001
Exons	264..417, 499..574, 856..975, 1264..1370, 2214..2296, 3076..3225, 3274..4006, 4088..4163, 4445..4562		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51892	Strand	+
Start	6929	End	8281
Name	OJ990714_14.9A01.C8.o2.gs	Method	GENSCAN
Start	6929	End	8281
GI	none	Score	1
Exons	6929..8281		

Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51893	Strand	-
Start	3328	End	6293
Name	OJ990714_14.9A01.C8.o2.np	Method	AAT/NAP
Start	3328	End	6293
GI	5042463	Score	133
Exons	3328..3406, 3655..3720, 4872..5067, 6254..6293		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51894	Strand	-
Start	6701	End	7158
Name	OJ990714_14.9A01.C8.o1.gp	Method	AAT/GAP
Start	6701	End	7158
GI	3761868	Score	742
Exons	6701..7158		

Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51895	Strand	-
Start	9006	End	9311
Name	OJ990714_14.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	2521	End	3015
GI	none	Score	93
Exons	2521..2700, 2561..2704, 2725..3015		

Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51895	Strand	-
Start	9006	End	9311
Name	OJ990714_14.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	2539	End	2913
GI	none	Score	111

Exons	2539..2724, 2719..2913		
Seq. No.	25008	Seq. ID	OJ990714_14.9A01.C8
Gene No.	51895	Strand	-
Start	9006	End	9311
Name	OJ990714_14.9A01.C8.o3.gs	Method	GENSCAN
Start	9006	End	9311
GI	none	Score	.85
Exons	9006..9311		
Seq. No.	25009	Seq. ID	OJ990714_14.9A01.C9
Gene No.	51896	Strand	-
Start	285	End	456
Name	OJ990714_14.9A01.C9.o1.gp	Method	AAT/GAP
Start	285	End	456
GI	10431_1.R1084	Score	252
Exons	285..456		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		
Seq. No.	25010	Seq. ID	OJ990714_14.9A01.C12
Gene No.	51897	Strand	-
Start	204	End	265
Name	OJ990714_14.9A01.C12.o1.gs	Method	GENSCAN
Start	204	End	265
GI	none	Score	.61
Exons	204..265		
Seq. No.	25011	Seq. ID	OJ990714_10.9A01.C3
Gene No.	51898	Strand	+
Start	1	End	604
Name	OJ990714_10.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	604
GI	6466937	Score	266
Exons	1..604		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	25011	Seq. ID	OJ990714_10.9A01.C3
Gene No.	51899	Strand	-
Start	465	End	598
Name	OJ990714_10.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	142	End	598
GI	none	Score	59
Exons	142..222, 153..221, 240..449, 515..598, 529..576	254..322, 258..449, 394..468,	
Seq. No.	25011	Seq. ID	OJ990714_10.9A01.C3
Gene No.	51899	Strand	-
Start	465	End	598
Name	OJ990714_10.9A01.C3.o1.gs	Method	GENSCAN
Start	465	End	536
GI	none	Score	.5
Exons	465..536		
Seq. No.	25012	Seq. ID	OJ990714_10.9A01.C4
Gene No.	51900	Strand	+

Start	504	End	586
Name	OJ990714_10.9A01.C4.o1.gs	Method	GENSCAN
Start	504	End	586
GI	none	Score	.53
Exons	504..586		

Seq. No.	25012	Seq. ID	OJ990714_10.9A01.C4
Gene No.	51901	Strand	+
Start	2978	End	3457
Name	OJ990714_10.9A01.C4.o2.gs	Method	GENSCAN
Start	2978	End	3457
GI	none	Score	.91
Exons	2978..3122, 3375..3457		

Seq. No.	25012	Seq. ID	OJ990714_10.9A01.C4
Gene No.	51902	Strand	-
Start	172	End	3451
Name	OJ990714_10.9A01.C4.o1.np	Method	AAT/NAP
Start	172	End	3451
GI	1888357	Score	462
Exons	172..349, 465..550, 637..740, 891..1018, 1350..1418, 1486..1569, 1678..1802, 2302..2487, 2584..2676, 3177..3451		
GI Descrip.	(X98130) alpha-mannosidase [Arabidopsis thaliana] gi|1890154|emb|CAA72432| (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]		

Seq. No.	25012	Seq. ID	OJ990714_10.9A01.C4
Gene No.	51902	Strand	-
Start	172	End	3451
Name	OJ990714_10.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	918	End	1784
GI	none	Score	80
Exons	918..950, 959..1021, 959..1018, 966..1025, 1346..1408, 1348..1368, 1359..1415, 1360..1419, 1484..1570, 1485..1571, 1486..1581, 1486..1569, 1678..1782, 1682..1780, 1683..1784		

Seq. No.	25013	Seq. ID	OJ990714_10.9A01.C5
Gene No.	51903	Strand	+
Start	1	End	207
Name	OJ990714_10.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	207
GI	418604	Score	274
Exons	1..207		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	25014	Seq. ID	OJ990714_10.9A01.C7
Gene No.	51904	Strand	-
Start	1620	End	7294
Name	OJ990714_10.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	7	End	331
GI	none	Score	94
Exons	7..129, 101..331, 111..302		

Seq. No.	25014	Seq. ID	OJ990714_10.9A01.C7
Gene No.	51904	Strand	-
Start	1620	End	7294

Name	OJ990714_10.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	743	End	1187
GI	none	Score	80
Exons	743..835, 860..985, 1041..1187		

Seq. No.	25014	Seq. ID	OJ990714_10.9A01.C7
Gene No.	51904	Strand	-
Start	1620	End	7294
Name	OJ990714_10.9A01.C7.o1.gs	Method	GENSCAN
Start	1620	End	7294
GI	none	Score	.47
Exons	1620..1795, 2027..2164, 2417..2574, 2598..2754, 2866..3107, 3128..3342, 3374..3471, 4810..4929, 5380..5586, 5844..6226, 6457..6545, 7169..7294		

Seq. No.	25014	Seq. ID	OJ990714_10.9A01.C7
Gene No.	51904	Strand	-
Start	1620	End	7294
Name	OJ990714_10.9A01.C7.o3.np	Method	AAT/NAP
Start	2398	End	3643
GI	5922636	Score	416
Exons	2398..2530, 2826..3079, 3584..3643		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25015	Seq. ID	OJ990714_10.9A01.C8
Gene No.	51905	Strand	+
Start	1084	End	1721
Name	OJ990714_10.9A01.C8.o1.gs	Method	GENSCAN
Start	1084	End	1721
GI	none	Score	.85
Exons	1084..1297, 1450..1721		

Seq. No.	25015	Seq. ID	OJ990714_10.9A01.C8
Gene No.	51906	Strand	-
Start	2009	End	5526
Name	OJ990714_10.9A01.C8.o2.gs	Method	GENSCAN
Start	2009	End	5526
GI	none	Score	.9
Exons	2009..2404, 3150..3302, 3673..4518, 4682..4788, 5433..5526		

Seq. No.	25015	Seq. ID	OJ990714_10.9A01.C8
Gene No.	51906	Strand	-
Start	2009	End	5526
Name	OJ990714_10.9A01.C8.o1.np	Method	AAT/NAP
Start	2018	End	4485
GI	5803254	Score	629
Exons	2018..2351, 3108..3302, 3673..4485		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	25016	Seq. ID	OJ990714_10.9A01.C9
Gene No.	51907	Strand	+

Start	289	End	469
Name	OJ990714_10.9A01.C9.o1.gs	Method	GENSCAN
Start	289	End	469
GI	none	Score	.82
Exons	289..469		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51908	Strand	+
Start	17891	End	20294
Name	OJ990714_10.9A01.C10.o2.np	Method	AAT/NAP
Start	17891	End	20294
GI	3335361	Score	583
Exons	17891..18079, 18189..18300, 19802..19857, 20079..20294		
GI Descrip.	(AC003028) putative acetyltransferase [Arabidopsis thaliana]		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51909	Strand	-
Start	50	End	7888
Name	OJ990714_10.9A01.C10.o1.gs	Method	GENSCAN
Start	50	End	7888
GI	none	Score	.77
Exons	50..175, 916..983, 1065..1322, 2082..2224, 3020..3144, 3891..4044, 4120..4305, 4796..4866, 5628..5703, 6343..6511, 7849..7888		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51909	Strand	-
Start	50	End	7888
Name	OJ990714_10.9A01.C10.o1.gp	Method	AAT/GAP
Start	1788	End	2220
GI	3762167	Score	779
Exons	1788..2220		
GI Descrip.	1402889/emb|CAA66820| 3.0e-18 (X98130) unknown [Arabidopsis thaliana]		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51909	Strand	-
Start	50	End	7888
Name	OJ990714_10.9A01.C10.o1.np	Method	AAT/NAP
Start	2035	End	4208
GI	1402889	Score	422
Exons	2035..2224, 3020..3144, 3891..4208		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51910	Strand	-
Start	9131	End	9552
Name	OJ990714_10.9A01.C10.o2.gp	Method	AAT/GAP
Start	9131	End	9552
GI	none	Score	772
Exons	9131..9552		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51911	Strand	-
Start	14220	End	14275
Name	OJ990714_10.9A01.C10.o3.gp	Method	AAT/GAP
Start	14220	End	14275

GI	uC-osflM202097d10b1	Score	67
Exons	14220..14275		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51912	Strand	-
Start	21465	End	27703
Name	OJ990714_10.9A01.C10.o3.gs	Method	GENSCAN
Start	21465	End	27619
GI	none	Score	.9
Exons	21465..21888, 22182..22675, 23262..23375, 24514..24846, 24884..25072, 25947..26060, 27452..27619		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51912	Strand	-
Start	21465	End	27703
Name	OJ990714_10.9A01.C10.o3.np	Method	AAT/NAP
Start	22614	End	26311
GI	2702273	Score	205
Exons	22614..22675, 23262..23375, 24502..24741, 26290..26311		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51912	Strand	-
Start	21465	End	27703
Name	OJ990714_10.9A01.C10.o4.np	Method	AAT/NAP
Start	25552	End	27703
GI	2702273	Score	160
Exons	25552..25582, 25945..26060, 27440..27703		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o2.tc	Method	TBLASTX:Cress
Start	2033	End	3109
GI	none	Score	128
Exons	2033..2194, 2044..2193, 2191..2223, 2195..2242, 2302..2343, 2345..2491, 2347..2463, 3019..3099, 3020..3109		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	2048	End	2380
GI	none	Score	143
Exons	2048..2155, 2048..2146, 2050..2154, 2133..2216, 2150..2224, 2152..2223, 2308..2379, 2309..2377, 2309..2380		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	8573	End	14169
GI	none	Score	178
Exons	8573..8710, 8584..8673, 13292..13417, 13312..13425,		

13418..13588, 13619..13690, 13619..13690, 13703..13759,
13705..13755, 13787..13915, 14030..14167, 14041..14169

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	13292	End	13765
GI	none	Score	132
Exons	13292..13417, 13418..13591, 13619..13690, 13621..13683, 13703..13759, 13703..13765		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	13292	End	13558
GI	none	Score	143
Exons	13292..13414, 13292..13357, 13312..13422, 13418..13504, 13423..13452, 13475..13540, 13505..13558		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	17926	End	18299
GI	none	Score	239
Exons	17926..18066, 17927..18070, 18150..18299, 18173..18298		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	17932	End	19862
GI	none	Score	233
Exons	17932..18054, 17933..18070, 18191..18331, 18192..18299, 19794..19862, 19795..19860		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	17948	End	20219
GI	none	Score	208
Exons	17948..18070, 17956..18066, 18191..18298, 18192..18299, 19776..19862, 19795..19860, 20028..20219, 20054..20209, 20076..20219		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o5.tm	Method	TBLASTX:Maize
Start	23256	End	31621
GI	none	Score	75
Exons	23256..23300, 23298..23378, 23302..23400, 24509..24742, 24511..24741, 25983..26063, 25987..26064, 27449..27679, 27507..27680, 31559..31621		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o4.ts	Method	TBLASTX:Soybean
Start	23298	End	27679
GI	none	Score	150
Exons	23298..23378, 24511..24780, 24512..24784, 25983..26063, 25987..26061, 27449..27679, 27525..27677		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o4.tc	Method	TBLASTX:Cress
Start	24511	End	27677
GI	none	Score	115
Exons	24511..24738, 24587..24739, 27449..27676, 27525..27677		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o4.gp	Method	AAT/GAP
Start	29605	End	30941
GI	17997_1.R1084	Score	1190
Exons	29605..29946, 30038..30106, 30194..30241, 30650..30745, 30825..30941		
GI Descrip.	'1888357/emb|CAA66821| 3.0e-57 (X98130) alpha-mannosidase [Arabidopsis thaliana] >gi_1890154_emb_CAA72432_ (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]'		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	29643	End	30061
GI	none	Score	39
Exons	29643..29675, 29644..29691, 29644..29664, 29717..29947, 29718..29897, 29732..29950, 29758..29949, 30021..30059, 30035..30061		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o5.np	Method	AAT/NAP
Start	29711	End	31360
GI	1888357	Score	478
Exons	29711..29946, 30038..30106, 30194..30241, 30650..30745, 30825..30935, 31276..31360		
GI Descrip.	(X98130) alpha-mannosidase [Arabidopsis thaliana] gi|1890154|emb|CAA72432| (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	29727	End	31380

GI	none	Score	98
Exons	29727..29906, 29728..29949, 29738..29950, 29861..29965, 30035..30106, 30039..30107, 30194..30244, 30195..30242, 30640..30747, 30642..30746, 30643..30747, 30644..30748, 30650..30748, 30823..30930, 30823..30933, 30824..30934, 30825..30935, 31273..31380, 31280..31342		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o4.gs	Method	GENSCAN
Start	29728	End	31360
GI	none	Score	.9
Exons	29728..29946, 30038..30106, 30540..30649, 30739..30829, 31276..31360		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o3.tc	Method	TBLASTX:Cress
Start	29749	End	31383
GI	none	Score	61
Exons	29749..29853, 29756..29833, 29845..29949, 29846..29932, 30191..30244, 30650..30748, 30654..30746, 30823..30930, 30825..30935, 31273..31383, 31273..31380		

Seq. No.	25017	Seq. ID	OJ990714_10.9A01.C10
Gene No.	51913	Strand	-
Start	29728	End	31621
Name	OJ990714_10.9A01.C10.o3.ts	Method	TBLASTX:Soybean
Start	29749	End	31368
GI	none	Score	73
Exons	29749..29925, 29758..29949, 29759..29947, 30191..30244, 30650..30760, 30654..30761, 30828..30935, 30829..30930, 31273..31362, 31273..31368		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51914	Strand	+
Start	7016	End	9140
Name	OJ990714_10.9A01.C11.o2.gs	Method	GENSCAN
Start	7016	End	9140
GI	none	Score	.69
Exons	7016..7113, 7254..7303, 7795..8284, 9029..9140		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51915	Strand	+
Start	10119	End	11531
Name	OJ990714_10.9A01.C11.o2.np	Method	AAT/NAP
Start	10119	End	11531
GI	6691203	Score	71
Exons	10119..10168, 11391..11531		
GI Descrip.	(AC007508) F1K23.7 [Arabidopsis thaliana]		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51916	Strand	-
Start	1	End	6073
Name	OJ990714_10.9A01.C11.o1.np	Method	AAT/NAP

Start	1	End	6064
GI	1888357	Score	1910
Exons	1..322, 480..527, 700..771, 917..976, 1057..1151, 1575..1676, 1770..1989, 2166..2222, 2346..2410, 2561..2649, 2734..2901, 3026..3119, 3208..3308, 3416..3529, 3869..3940, 4018..4104, 4206..4325, 4632..4806, 4898..4986, 5548..5631, 5861..6064		
GI Descrip.	(X98130) alpha-mannosidase [Arabidopsis thaliana] gi|1890154|emb|CAA72432| (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51916	Strand	-
Start	1	End	6073
Name	OJ990714_10.9A01.C11.o1.gp	Method	AAT/GAP
Start	196	End	1698
GI	31977_1.R1084	Score	839
Exons	196..322, 480..527, 700..771, 917..976, 1057..1125, 1546..1698		
GI Descrip.	'1888357/emb|CAA66821| 4.0e-56 (X98130) alpha-mannosidase [Arabidopsis thaliana] >gi_1890154_emb_CAA72432_ (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]'		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51916	Strand	-
Start	1	End	6073
Name	OJ990714_10.9A01.C11.o1.gs	Method	GENSCAN
Start	203	End	6073
GI	none	Score	.83
Exons	203..322, 480..527, 917..976, 1057..1125, 1546..1643, 1770..1989, 2166..2222, 2734..2897, 3088..3119, 3208..3308, 3416..3529, 3869..3940, 4018..4104, 4206..4325, 4632..4806, 4898..4986, 5207..5254, 5548..5631, 5774..6073		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o5.tm	Method	TBLASTX:Maize
Start	190	End	1948
GI	none	Score	164
Exons	190..321, 200..322, 204..323, 462..530, 695..772, 696..773, 697..780, 697..774, 900..986, 913..978, 914..982, 932..1009, 1056..1127, 1057..1125, 1058..1150, 1543..1686, 1545..1685, 1744..1947, 1772..1948		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	200	End	5999
GI	none	Score	62
Exons	200..322, 203..259, 207..320, 465..539, 697..765, 926..982, 1057..1131, 1579..1668, 1756..1989, 1787..1969, 2163..2222, 2164..2223, 2325..2393, 2615..2650, 2734..2907, 2735..2902, 3002..3118, 3006..3119, 3022..3120, 3024..3128, 3202..3309, 3204..3311, 3205..3309, 3207..3311, 3412..3516, 3416..3532, 3416..3526, 3845..3952, 3891..3953, 4024..4107, 4061..4114, 4182..4328, 4218..4328, 4632..4805, 4633..4863, 4645..4812, 4874..4987, 4891..4986, 5539..5637, 5834..5995, 5856..5999		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	1588	End	2393
GI	none	Score	92
Exons	1588..1674, 1712..1888, 1768..2019, 1804..1974, 2163..2222, 2325..2393		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	2580	End	3532
GI	none	Score	60
Exons	2580..2654, 2588..2641, 2732..2800, 2733..2900, 2734..2901, 2734..2907, 2735..2902, 3026..3118, 3026..3118, 3027..3119, 3203..3310, 3204..3311, 3416..3532, 3416..3529		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	3203	End	3530
GI	none	Score	82
Exons	3203..3307, 3204..3311, 3205..3312, 3416..3526, 3416..3529, 3426..3530, 3456..3530		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o4.tm	Method	TBLASTX:Maize
Start	3845	End	4343
GI	none	Score	95
Exons	3845..3946, 3862..3948, 3865..3942, 3994..4107, 4016..4102, 4018..4104, 4203..4328, 4206..4343, 4208..4336		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o6.tm	Method	TBLASTX:Maize
Start	4629	End	5975
GI	none	Score	178
Exons	4629..4805, 4630..4809, 4891..4986, 4892..4987, 5539..5637, 5834..5974, 5856..5975		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o6.ts	Method	TBLASTX:Soybean
Start	4725	End	4989
GI	none	Score	78
Exons	4725..4808, 4726..4809, 4874..4987, 4891..4989, 4891..4986, 4901..4987		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11

Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o5.ts	Method	TBLASTX:Soybean
Start	5539	End	6007
GI	none	Score	71
Exons	5539..5637, 5551..5634, 5834..6007, 5865..5984		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o2.gp	Method	AAT/GAP
Start	11738	End	15270
GI	99_1.R1084	Score	3297
Exons	11738..13121, 14989..15270		
GI Descrip.	'4586676/dbj|BAA76438.1| 0.0e+00 (AB025047) sterol 14-demethylase [Oryza sativa]'		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	12117	End	15055
GI	none	Score	202
Exons	12117..12365, 12117..13142, 12118..12882, 12677..13177, 12678..13118, 12940..13146, 14979..15020, 14987..15019, 15019..15054, 15020..15055		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	12117	End	12873
GI	none	Score	192
Exons	12117..12608, 12117..12713, 12130..12714, 12714..12830, 12714..12872, 12715..12873		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o3.np	Method	AAT/NAP
Start	12123	End	15456
GI	5921924	Score	2266
Exons	12123..13121, 14989..15456		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi|1658193 (U74319) obtusifoliol 14-alpha demethylase CYP51 [Sorghum bicolor]		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o3.tc	Method	TBLASTX:Cress
Start	12135	End	12479
GI	none	Score	233
Exons	12135..12407, 12136..12333, 12387..12437, 12432..12479		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-

Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o4.tc	Method	TBLASTX:Cress
Start	12480	End	12807
GI	none	Score	44
Exons	12480..12662, 12482..12589, 12591..12806, 12598..12807		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	12807	End	15406
GI	none	Score	168
Exons	12807..12863, 12846..13118, 12849..13124, 12862..13146, 14987..15406, 14989..15321, 15301..15354		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	12875	End	15421
GI	none	Score	67
Exons	12875..13009, 12876..13118, 12876..13142, 12940..13140, 14987..15421, 14987..15076, 14989..15354		

Seq. No.	25018	Seq. ID	OJ990714_10.9A01.C11
Gene No.	51917	Strand	-
Start	11738	End	15462
Name	OJ990714_10.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	15073	End	15462
GI	none	Score	393
Exons	15073..15462, 15074..15358, 15311..15433, 15406..15462		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51918	Strand	+
Start	2313	End	4586
Name	OJ990714_10.9A01.C13.o1.gs	Method	GENSCAN
Start	2313	End	4506
GI	none	Score	.49
Exons	2313..2630, 2636..2798, 3080..3270, 3807..4082, 4300..4506		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51918	Strand	+
Start	2313	End	4586
Name	OJ990714_10.9A01.C13.o1.np	Method	AAT/NAP
Start	2335	End	4586
GI	6815107	Score	405
Exons	2335..3104, 3150..3291, 3405..3631, 3892..4178, 4330..4586		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51919	Strand	+
Start	11425	End	15374
Name	OJ990714_10.9A01.C13.o4.np	Method	AAT/NAP
Start	11413	End	15022
GI	4680207	Score	1042
Exons	11413..12290, 13117..14454, 14512..15022		

GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51919	Strand	+
Start	11425	End	15374
Name	OJ990714_10.9A01.C13.o3.gs	Method	GENSCAN
Start	11425	End	15366
GI	none	Score	.69
Exons	11425..12290, 13033..13598, 13751..14501, 14538..14704, 15246..15366		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51919	Strand	+
Start	11425	End	15374
Name	OJ990714_10.9A01.C13.o6.np	Method	AAT/NAP
Start	15158	End	15374
GI	4584685	Score	153
Exons	15158..15374		
GI Descrip.	(AJ237754) putative lectin [Hordeum vulgare]		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51920	Strand	-
Start	5562	End	5866
Name	OJ990714_10.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	3692	End	4022
GI	none	Score	186
Exons	3692..3814, 3702..4022		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51920	Strand	-
Start	5562	End	5866
Name	OJ990714_10.9A01.C13.o3.np	Method	AAT/NAP
Start	5562	End	5866
GI	6539588	Score	204
Exons	5562..5866		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51921	Strand	
Start	13073	End	14223
Name	OJ990714_10.9A01.C13.o1.ts	Method	TBLASTX:Soybean
Start	13073	End	14160
GI	none	Score	80
Exons	13073..13162, 13265..13381, 13279..13344, 13358..13528, 13466..13618, 13621..13731, 13975..14160		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51921	Strand	
Start	13073	End	14223
Name	OJ990714_10.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	13546	End	13962
GI	none	Score	40
Exons	13546..13611, 13547..13615, 13555..13584, 13579..13779, 13597..13761, 13629..13778, 13800..13892, 13804..13893, 13888..13962		

Seq. No.	25019	Seq. ID	OJ990714_10.9A01.C13
Gene No.	51921	Strand	
Start	13073	End	14223
Name	OJ990714_10.9A01.C13.o2.tw	Method	TBLASTX:Wheat
Start	13969	End	14223
GI	none	Score	192
Exons	13969..14196, 13972..14223, 13977..14219		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51922	Strand	+
Start	520	End	9145
Name	OJ990714_10.9A01.C14.o2.np	Method	AAT/NAP
Start	520	End	6879
GI	6691191	Score	2232
Exons	520..541, 4509..6879		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51922	Strand	+
Start	520	End	9145
Name	OJ990714_10.9A01.C14.o1.gs	Method	GENSCAN
Start	691	End	9145
GI	none	Score	.58
Exons	691..957, 1065..1262, 1658..1876, 4466..4628, 4817..5622, 5827..6775, 6877..7008, 7571..7720, 8127..9145		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51922	Strand	+
Start	520	End	9145
Name	OJ990714_10.9A01.C14.o1.np	Method	AAT/NAP
Start	1065	End	1900
GI	1167955	Score	275
Exons	1065..1262, 1658..1900		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51922	Strand	+
Start	520	End	9145
Name	OJ990714_10.9A01.C14.o3.np	Method	AAT/NAP
Start	6873	End	7433
GI	6063557	Score	378
Exons	6873..7052, 7301..7433		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51923	Strand	+
Start	9410	End	9886
Name	OJ990714_10.9A01.C14.o2.gs	Method	GENSCAN
Start	9410	End	9886
GI	none	Score	.62
Exons	9410..9475, 9824..9886		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o1.tw	Method	TBLASTX:Wheat

Start	4673	End	5070
GI	none	Score	232
Exons	4673..4861, 4685..4858, 4860..4967, 4861..5070, 4861..5046, 5004..5060		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	4873	End	5217
GI	none	Score	261
Exons	4873..5217		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o2.ts	Method	TBLASTX:Soybean
Start	4930	End	5283
GI	none	Score	65
Exons	4930..4995, 4996..5283, 5007..5228		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o4.tw	Method	TBLASTX:Wheat
Start	5070	End	5367
GI	none	Score	269
Exons	5070..5261, 5074..5283, 5283..5366, 5284..5367		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	5268	End	5511
GI	none	Score	185
Exons	5268..5429, 5293..5511		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o3.tw	Method	TBLASTX:Wheat
Start	5380	End	5850
GI	none	Score	196
Exons	5380..5580, 5382..5564, 5572..5643, 5659..5850		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o4.ts	Method	TBLASTX:Soybean
Start	5386	End	5564
GI	none	Score	207
Exons	5386..5526, 5386..5502, 5400..5525, 5532..5564		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o1.tc	Method	TBLASTX:Cress

Start	5563	End	5946
GI	none	Score	51
Exons	5563..5640, 5644..5946, 5796..5918		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o3.ts	Method	TBLASTX:Soybean
Start	5967	End	6291
GI	none	Score	75
Exons	5967..6008, 5968..6009, 6006..6290, 6007..6291		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o5.tw	Method	TBLASTX:Wheat
Start	5968	End	6300
GI	none	Score	265
Exons	5968..6300, 5973..6248		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	6292	End	6780
GI	none	Score	377
Exons	6292..6681, 6294..6530, 6694..6780		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o2.tw	Method	TBLASTX:Wheat
Start	6303	End	6684
GI	none	Score	407
Exons	6303..6326, 6304..6684, 6360..6521		

Seq. No.	25020	Seq. ID	OJ990714_10.9A01.C14
Gene No.	51924	Strand	-
Start	10785	End	10934
Name	OJ990714_10.9A01.C14.o3.gs	Method	GENSCAN
Start	10785	End	10934
GI	none	Score	.59
Exons	10785..10934		

Seq. No.	25021	Seq. ID	OJ990714_10.9A01.C16
Gene No.	51925	Strand	-
Start	1	End	608
Name	OJ990714_10.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	608
GI	6498441	Score	755
Exons	1..608		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	25021	Seq. ID	OJ990714_10.9A01.C16
Gene No.	51925	Strand	-

Start	1	End	608
Name	OJ990714_10.9A01.C16.o1.gs	Method	GENSCAN
Start	97	End	567
GI	none	Score	.72
Exons	97..567		

Seq. No.	25022	Seq. ID	OJ990714_10.9A01.C17
Gene No.	51926	Strand	+
Start	166	End	237
Name	OJ990714_10.9A01.C17.o1.gs	Method	GENSCAN
Start	166	End	237
GI	none	Score	.78
Exons	166..237		

Seq. No.	25022	Seq. ID	OJ990714_10.9A01.C17
Gene No.	51927	Strand	-
Start	1	End	260
Name	OJ990714_10.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	260
GI	5042454	Score	194
Exons	1..97, 154..260		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51928	Strand	+
Start	10101	End	10920
Name	OJ990414_12.9A14.C1.o2.gs	Method	GENSCAN
Start	10101	End	10920
GI	none	Score	.65
Exons	10101..10155, 10220..10262, 10338..10461, 10594..10920		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51929	Strand	+
Start	13484	End	14842
Name	OJ990414_12.9A14.C1.o3.gs	Method	GENSCAN
Start	13484	End	14757
GI	none	Score	.96
Exons	13484..13817, 14033..14757		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51929	Strand	+
Start	13484	End	14842
Name	OJ990414_12.9A14.C1.o5.np	Method	AAT/NAP
Start	13487	End	14842
GI	4514637	Score	1156
Exons	13487..13600, 13667..13817, 14033..14842		
GI Descrip.	(AB021176) root cap protein 2 [Zea mays]		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51930	Strand	-
Start	1	End	12681
Name	OJ990414_12.9A14.C1.o1.np	Method	AAT/NAP
Start	1	End	2306
GI	4467124	Score	611
Exons	1..1086, 2237..2306		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51930	Strand	-
Start	1	End	12681
Name	OJ990414_12.9A14.C1.o1.gs	Method	GENSCAN
Start	8	End	6479
GI	none	Score	.63
Exons	8..1212, 1267..1572, 2254..2785, 2899..2997, 3656..3793, 3967..4054, 6280..6479		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51930	Strand	-
Start	1	End	12681
Name	OJ990414_12.9A14.C1.o2.np	Method	AAT/NAP
Start	2179	End	8194
GI	6735365	Score	669
Exons	2179..2265, 2369..2997, 3434..3526, 3656..3793, 3967..4054, 4260..4348, 4691..4756, 4948..5059, 6280..6383, 8176..8194		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51930	Strand	-
Start	1	End	12681
Name	OJ990414_12.9A14.C1.o3.np	Method	AAT/NAP
Start	7587	End	12481
GI	3451069	Score	140
Exons	7587..7632, 10454..10827, 12433..12481		
GI Descrip.	(AL031326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51930	Strand	-
Start	1	End	12681
Name	OJ990414_12.9A14.C1.o4.np	Method	AAT/NAP
Start	11007	End	12681
GI	114657	Score	108
Exons	11007..11045, 12422..12681		
GI Descrip.	ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) gi|67926|pir||LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast gi|11975|emb|CAA33990| (X15901) ATPase a subunit [Oryza sativa] gi|226693|prf||1603356U ATPase a [Oryza sativa]		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o2.tm	Method	TBLASTX:Maize
Start	128	End	505
GI	none	Score	104
Exons	128..505, 135..392		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o1.ts	Method	TBLASTX:Soybean
Start	131	End	455
GI	none	Score	115
Exons	131..454, 135..455		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1

Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o2.tc	Method	TBLASTX:Cress
Start	182	End	541
GI	none	Score	202
Exons	182..541		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o1.tm	Method	TBLASTX:Maize
Start	2379	End	3529
GI	none	Score	142
Exons	2379..2513, 2387..2623, 2388..2495, 2393..2503, 2545..2628, 2565..2615, 2651..2818, 2703..2813, 2897..2998, 2899..3000, 3434..3529, 3435..3527		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o2.ts	Method	TBLASTX:Soybean
Start	2387	End	2603
GI	none	Score	115
Exons	2387..2560, 2388..2573, 2561..2602, 2568..2603		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o1.tw	Method	TBLASTX:Wheat
Start	2399	End	2824
GI	none	Score	166
Exons	2399..2542, 2399..2557, 2440..2562, 2527..2625, 2551..2622, 2561..2641, 2561..2641, 2568..2672, 2632..2814, 2636..2824, 2645..2818		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o1.tc	Method	TBLASTX:Cress
Start	14050	End	14646
GI	none	Score	62
Exons	14050..14085, 14092..14109, 14197..14238, 14248..14373, 14389..14646		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o4.tm	Method	TBLASTX:Maize
Start	14065	End	14178
GI	none	Score	184
Exons	14065..14178, 14073..14177		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o3.ts	Method	TBLASTX:Soybean
Start	14389	End	14619

GI	none	Score	189
Exons	14389..14619		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o3.tm	Method	TBLASTX:Maize
Start	14527	End	14727
GI	none	Score	267
Exons	14527..14727, 14529..14711		

Seq. No.	25023	Seq. ID	OJ990414_12.9A14.C1
Gene No.	51931	Strand	-
Start	16869	End	16931
Name	OJ990414_12.9A14.C1.o1.gp	Method	AAT/GAP
Start	16869	End	16931
GI	15592_2.R1084	Score	96
Exons	16869..16931		
GI Descrip.	'2618687 2.0e-14 (AC002510) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51932	Strand	+
Start	5270	End	6437
Name	OJ990414_12.9A14.C2.o3.gs	Method	GENSCAN
Start	5270	End	6437
GI	none	Score	.5
Exons	5270..5642, 6373..6437		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51933	Strand	+
Start	9515	End	13155
Name	OJ990414_12.9A14.C2.o3.np	Method	AAT/NAP
Start	9515	End	13155
GI	6721512	Score	218
Exons	9515..9643, 11249..11363, 11391..11524, 11567..11603, 11715..11783, 13130..13155		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51934	Strand	+
Start	15734	End	19530
Name	OJ990414_12.9A14.C2.o7.gs	Method	GENSCAN
Start	15734	End	19530
GI	none	Score	.56
Exons	15734..15739, 17479..17565, 18060..18203, 19312..19530		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51935	Strand	-
Start	1	End	582
Name	OJ990414_12.9A14.C2.o1.gp	Method	AAT/GAP
Start	1	End	582
GI	15592_1.R1084	Score	964
Exons	1..582		
GI Descrip.	'3747050 7.0e-48 (AF093540) ribosomal protein L26 [Zea mays]'		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2

Gene No.	51935	Strand	-
Start	1	End	582
Name	OJ990414_12.9A14.C2.o1.np	Method	AAT/NAP
Start	155	End	517
GI	3747050	Score	589
Exons	155..517		
GI Descrip.	(AF093540) ribosomal protein L26 [Zea mays]		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51936	Strand	-
Start	1287	End	1616
Name	OJ990414_12.9A14.C2.o2.gs	Method	GENSCAN
Start	1287	End	1616
GI	none	Score	.82
Exons	1287..1616		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51937	Strand	-
Start	8075	End	9677
Name	OJ990414_12.9A14.C2.o4.gs	Method	GENSCAN
Start	8075	End	9607
GI	none	Score	.45
Exons	8075..9607		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51937	Strand	-
Start	8075	End	9677
Name	OJ990414_12.9A14.C2.o2.np	Method	AAT/NAP
Start	8084	End	9592
GI	3860263	Score	1282
Exons	8084..9592		
GI Descrip.	(AC005824) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51937	Strand	-
Start	8075	End	9677
Name	OJ990414_12.9A14.C2.o2.gp	Method	AAT/GAP
Start	9177	End	9677
GI	91897_1.R1084	Score	964
Exons	9177..9677		
GI Descrip.	'3860263 3.0e-29 (AC005824) putative cytochrome p450 protein [Arabidopsis thaliana]'		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51938	Strand	-
Start	11414	End	11993
Name	OJ990414_12.9A14.C2.o5.gs	Method	GENSCAN
Start	11414	End	11993
GI	none	Score	.78
Exons	11414..11515, 11967..11993		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o1.tm	Method	TBLASTX:Maize
Start	101	End	518
GI	none	Score	72

Exons	101..517, 178..225, 201..287, 375..518		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o1.tc	Method	TBLASTX:Cress
Start	137	End	518
GI	none	Score	94
Exons	137..517, 201..290, 375..518		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o2.ts	Method	TBLASTX:Soybean
Start	137	End	518
GI	none	Score	64
Exons	137..517, 175..222, 201..290, 375..518		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o1.ts	Method	TBLASTX:Soybean
Start	8097	End	9578
GI	none	Score	57
Exons	8097..8156, 8111..8152, 8231..8323, 8235..8324, 8342..8572, 8343..8525, 8634..8726, 8639..8743, 8756..9097, 8766..8813, 8889..9077, 9110..9577, 9180..9578		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o2.tc	Method	TBLASTX:Cress
Start	8225	End	9368
GI	none	Score	78
Exons	8225..8317, 8319..8405, 8321..8467, 8642..8800, 8852..8923, 8945..9367, 9198..9368		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o2.tm	Method	TBLASTX:Maize
Start	8231	End	9368
GI	none	Score	49
Exons	8231..8305, 8235..8306, 8312..8575, 8313..8402, 8651..8800, 8819..8923, 8945..9367, 9014..9136, 9180..9368		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o2.tw	Method	TBLASTX:Wheat
Start	8369	End	8749
GI	none	Score	174
Exons	8369..8572, 8370..8564, 8634..8738, 8639..8749		
Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487

Name	OJ990414_12.9A14.C2.o1.tw	Method	TBLASTX:Wheat
Start	8792	End	9200
GI	none	Score	293
Exons	8792..9199, 8793..9200		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o3.tm	Method	TBLASTX:Maize
Start	9432	End	9632
GI	none	Score	193
Exons	9432..9632, 9434..9601		

Seq. No.	25024	Seq. ID	OJ990414_12.9A14.C2
Gene No.	51939	Strand	-
Start	12551	End	13487
Name	OJ990414_12.9A14.C2.o6.gs	Method	GENSCAN
Start	12551	End	13487
GI	none	Score	.93
Exons	12551..12658, 13266..13487		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51940	Strand	+
Start	3817	End	6559
Name	OJ990414_12.9A14.C3.o1.np	Method	AAT/NAP
Start	3817	End	6559
GI	2130056	Score	74
Exons	3817..4008, 4233..4419, 6436..6559		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - barley chloroplast		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51941	Strand	+
Start	28816	End	31955
Name	OJ990414_12.9A14.C3.o3.gp	Method	AAT/GAP
Start	28761	End	28987
GI	none	Score	414
Exons	28761..28987		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51941	Strand	+
Start	28816	End	31955
Name	OJ990414_12.9A14.C3.o4.gs	Method	GENSCAN
Start	28816	End	31882
GI	none	Score	.54
Exons	28816..28983, 29686..29730, 31041..31362, 31768..31882		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51941	Strand	+
Start	28816	End	31955
Name	OJ990414_12.9A14.C3.o4.np	Method	AAT/NAP
Start	31178	End	31955
GI	4455299	Score	84
Exons	31178..31374, 31762..31955		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3

Gene No.	51942	Strand	-
Start	9974	End	11106
Name	OJ990414_12.9A14.C3.o1.gp	Method	AAT/GAP
Start	9974	End	11106
GI	LIB3434-010-P1-K1-E11	Score	846
Exons	9974..10117, 10231..10309, 10429..10470, 10682..10735, 10848..10880, 10971..11106		
GI Descrip.	'3757529 1.0e-17 (AC005167) tetracycline transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51943	Strand	-
Start	14994	End	21214
Name	OJ990414_12.9A14.C3.o2.np	Method	AAT/NAP
Start	14994	End	21214
GI	6503305	Score	2125
Exons	14994..15326, 15420..15725, 16592..16890, 17091..17193, 17278..17381, 17852..17918, 18010..18136, 18288..18931, 20475..21214		
GI Descrip.	(AC011713) Contains similarity to gb|U19615 LET 858 gene from Caenorhabditis elegans. ESTs gb|AI995150, gb|H76674 and gb|R84035 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51944	Strand	-
Start	22110	End	22402
Name	OJ990414_12.9A14.C3.o2.gp	Method	AAT/GAP
Start	22110	End	22402
GI	4715102	Score	546
Exons	22110..22402		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o4.tm	Method	TBLASTX:Maize
Start	9760	End	10467
GI	none	Score	34
Exons	9760..9816, 9853..9921, 9862..9918, 10038..10115, 10042..10155, 10045..10116, 10047..10139, 10228..10311, 10230..10310, 10232..10330, 10232..10312, 10424..10465, 10429..10467		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o5.tm	Method	TBLASTX:Maize
Start	10693	End	11403
GI	none	Score	72
Exons	10693..10716, 10848..10880, 10971..11021, 10972..11052, 10976..11053, 11150..11248, 11157..11249, 11158..11253, 11295..11387, 11325..11399, 11326..11403, 11338..11397		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o1.tw	Method	TBLASTX:Wheat
Start	12531	End	13239
GI	none	Score	118

Exons	12531..12644, 12534..12644, 12535..12645, 12535..12645, 13052..13120, 13060..13140, 13105..13236, 13117..13239		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o6.tm	Method	TBLASTX:Maize
Start	13060	End	13267
GI	none	Score	122
Exons	13060..13209, 13063..13248, 13076..13267		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o1.ts	Method	TBLASTX:Soybean
Start	14524	End	16803
GI	none	Score	80
Exons	14524..14568, 14565..14702, 14590..14694, 14711..14737, 14712..14735, 15114..15338, 15115..15327, 15138..15329, 15412..15726, 15415..15726, 15417..15731, 15420..15728, 16589..16729, 16591..16749, 16593..16658, 16594..16803		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o2.tm	Method	TBLASTX:Maize
Start	14542	End	18396
GI	none	Score	97
Exons	14542..14568, 14605..14697, 14610..14702, 14619..14699, 14711..14737, 15129..15170, 15130..15171, 15181..15327, 15201..15338, 15213..15329, 15415..15726, 15420..15728, 16562..16717, 16589..16729, 16591..16749, 16594..16788, 16765..16908, 16788..16892, 17088..17195, 17088..17177, 17089..17196, 17092..17196, 17277..17381, 17277..17381, 17278..17382, 17278..17382, 17838..17921, 17838..17918, 17992..18096, 17995..18087, 18089..18139, 18089..18139, 18280..18396, 18288..18392		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o3.tc	Method	TBLASTX:Cress
Start	14604	End	15468
GI	none	Score	69
Exons	14604..14702, 14605..14697, 14714..14737, 15195..15338, 15196..15327, 15415..15468, 15420..15467		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o2.tc	Method	TBLASTX:Cress
Start	15468	End	18139
GI	none	Score	281
Exons	15468..15728, 15469..15726, 15480..15731, 16589..16714, 16589..16729, 16591..16749, 16594..16782, 16820..16891, 17092..17151, 17149..17196, 17278..17379, 17279..17380, 17827..17937, 17838..17918, 17992..18096, 17995..18081,		

18089..18139, 18090..18137

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o3.ts	Method	TBLASTX:Soybean
Start	16808	End	18608
GI	none	Score	67
Exons	16808..16891, 17092..17202, 17098..17166, 17100..17195, 17277..17378, 17278..17379, 17279..17380, 17838..17918, 17848..17937, 17992..18096, 18089..18139, 18276..18608, 18289..18606		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o3.tm	Method	TBLASTX:Maize
Start	18529	End	18671
GI	none	Score	162
Exons	18529..18651, 18529..18657, 18531..18671		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o1.tm	Method	TBLASTX:Maize
Start	19793	End	31955
GI	none	Score	93
Exons	19793..19924, 19809..19925, 20314..20394, 20478..20732, 20479..20733, 20739..20825, 20740..20814, 20844..20960, 20845..20964, 21009..21362, 21022..21348, 21336..21362, 31068..31145, 31134..31289, 31272..31382, 31746..31955, 31761..31955		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o1.tc	Method	TBLASTX:Cress
Start	19796	End	31955
GI	none	Score	66
Exons	19796..19924, 20314..20373, 20478..20735, 20482..20685, 20742..20834, 20835..20933, 21012..21071, 21129..21323, 31143..31304, 31740..31877, 31881..31955		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o2.ts	Method	TBLASTX:Soybean
Start	19796	End	31955
GI	none	Score	81
Exons	19796..19924, 20314..20373, 20478..20735, 20835..20933, 21012..21077, 21123..21323, 31767..31877, 31881..31955		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o7.tm	Method	TBLASTX:Maize
Start	24581	End	27908

GI	none	Score	93
Exons	24581..24634, 24628..24723, 27639..27815, 27655..27819, 27831..27908		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o3.np	Method	AAT/NAP
Start	25859	End	27802
GI	6598399	Score	51
Exons	25859..25917, 27630..27802		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o3.gs	Method	GENSCAN
Start	27031	End	28669
GI	none	Score	.51
Exons	27031..27213, 27301..27410, 27614..27686, 27875..28034, 28286..28369, 28617..28669		

Seq. No.	25025	Seq. ID	OJ990414_12.9A14.C3
Gene No.	51945	Strand	-
Start	25859	End	31955
Name	OJ990414_12.9A14.C3.o4.ts	Method	TBLASTX:Soybean
Start	31068	End	31379
GI	none	Score	67
Exons	31068..31121, 31070..31120, 31131..31289, 31133..31285, 31307..31363, 31308..31379		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51946	Strand	+
Start	1	End	478
Name	OJ990414_12.9A14.C4.o1.np	Method	AAT/NAP
Start	1	End	478
GI	4874290	Score	352
Exons	1..478		
GI Descrip.	(AC007212) putative purple acid phosphatase precursor [Arabidopsis thaliana]		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51946	Strand	+
Start	1	End	478
Name	OJ990414_12.9A14.C4.o1.gs	Method	GENSCAN
Start	46	End	478
GI	none	Score	.58
Exons	46..478		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51947	Strand	+
Start	1441	End	2462
Name	OJ990414_12.9A14.C4.o2.gs	Method	GENSCAN
Start	1441	End	2462
GI	none	Score	.94
Exons	1441..1596, 1832..1942, 2061..2183, 2244..2462		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51948	Strand	+
Start	3424	End	5168
Name	OJ990414_12.9A14.C4.o3.gs	Method	GENSCAN
Start	3424	End	5168
GI	none	Score	.76
Exons	3424..3486, 5019..5168		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51949	Strand	-
Start	6912	End	8327
Name	OJ990414_12.9A14.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	460
GI	none	Score	218
Exons	2..202, 19..99, 199..453, 209..460		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51949	Strand	-
Start	6912	End	8327
Name	OJ990414_12.9A14.C4.o1.ts	Method	TBLASTX:Soybean
Start	2	End	430
GI	none	Score	163
Exons	2..211, 230..430, 253..381		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51949	Strand	-
Start	6912	End	8327
Name	OJ990414_12.9A14.C4.o1.tc	Method	TBLASTX:Cress
Start	8	End	433
GI	none	Score	187
Exons	8..214, 19..210, 230..433, 253..381		

Seq. No.	25026	Seq. ID	OJ990414_12.9A14.C4
Gene No.	51949	Strand	-
Start	6912	End	8327
Name	OJ990414_12.9A14.C4.o4.gs	Method	GENSCAN
Start	6912	End	8327
GI	none	Score	.5
Exons	6912..7115, 7151..7258, 7311..7537, 8276..8327		

Seq. No.	25027	Seq. ID	OJ990414_12.9A14.C5
Gene No.	51950	Strand	+
Start	2214	End	2665
Name	OJ990414_12.9A14.C5.o1.gs	Method	GENSCAN
Start	2214	End	2665
GI	none	Score	.52
Exons	2214..2420, 2426..2665		

Seq. No.	25028	Seq. ID	OJ990414_12.9A14.C6
Gene No.	51951	Strand	+
Start	656	End	3016
Name	OJ990414_12.9A14.C6.o1.gs	Method	GENSCAN
Start	656	End	3016
GI	none	Score	.56
Exons	656..923, 1103..1177, 1285..1342, 1512..1712, 1734..1775, 2764..3016		

Seq. No.	25028	Seq. ID	OJ990414_12.9A14.C6
Gene No.	51952	Strand	-
Start	2409	End	3407
Name	OJ990414_12.9A14.C6.o1.gp	Method	AAT/GAP
Start	2409	End	3407
GI	951_1.R1084	Score	1252
Exons	2409..2961, 3058..3098, 3312..3407		
GI Descrip.	'5360178/gb|AAD42895.1|AF159882_1 2.0e-93 (AF159882) Cen-like protein FDR2 [Oryza sativa]'		

Seq. No.	25028	Seq. ID	OJ990414_12.9A14.C6
Gene No.	51952	Strand	-
Start	2409	End	3407
Name	OJ990414_12.9A14.C6.o1.ts	Method	TBLASTX:Soybean
Start	2716	End	3373
GI	none	Score	91
Exons	2716..2946, 2735..2962, 2751..2963, 2751..2945, 2771..2962, 3053..3109, 3057..3110, 3303..3371, 3311..3373, 3311..3373		

Seq. No.	25028	Seq. ID	OJ990414_12.9A14.C6
Gene No.	51952	Strand	-
Start	2409	End	3407
Name	OJ990414_12.9A14.C6.o1.tc	Method	TBLASTX:Cress
Start	2727	End	3374
GI	none	Score	149
Exons	2727..2864, 2739..2870, 2771..2884, 2864..2962, 2868..2966, 3053..3109, 3054..3110, 3303..3374, 3311..3373		

Seq. No.	25028	Seq. ID	OJ990414_12.9A14.C6
Gene No.	51952	Strand	-
Start	2409	End	3407
Name	OJ990414_12.9A14.C6.o1.tm	Method	TBLASTX:Maize
Start	2739	End	3385
GI	none	Score	99
Exons	2739..2852, 2771..2851, 2855..2962, 2874..2963, 3053..3109, 3054..3110, 3301..3369, 3303..3374, 3311..3385, 3311..3373		

Seq. No.	25028	Seq. ID	OJ990414_12.9A14.C6
Gene No.	51952	Strand	-
Start	2409	End	3407
Name	OJ990414_12.9A14.C6.o1.np	Method	AAT/NAP
Start	2747	End	3407
GI	5360178	Score	484
Exons	2747..2961, 3058..3098, 3312..3407		
GI Descrip.	(AF159882) Cen-like protein FDR2 [Oryza sativa]		

Seq. No.	25029	Seq. ID	OJ990414_12.9A14.C8
Gene No.	51953	Strand	-
Start	570	End	1127
Name	OJ990414_12.9A14.C8.o1.gp	Method	AAT/GAP
Start	570	End	1127
GI	none	Score	1080
Exons	570..1127		

Seq. No.	25029	Seq. ID	OJ990414_12.9A14.C8
Gene No.	51954	Strand	-

Start	4191	End	4394
Name	OJ990414_12.9A14.C8.o2.gs	Method	GENSCAN
Start	4191	End	4347
GI	none	Score	.64
Exons	4191..4347		

Seq. No.	25029	Seq. ID	OJ990414_12.9A14.C8
Gene No.	51954	Strand	-
Start	4191	End	4394
Name	OJ990414_12.9A14.C8.o1.np	Method	AAT/NAP
Start	4194	End	4394
GI	6967109	Score	161
Exons	4194..4244, 4287..4394		
GI Descrip.	(AL138652) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25030	Seq. ID	OJ990414_12.9A14.C9
Gene No.	51955	Strand	+
Start	51	End	374
Name	OJ990414_12.9A14.C9.o1.gs	Method	GENSCAN
Start	51	End	374
GI	none	Score	.59
Exons	51..374		

Seq. No.	25030	Seq. ID	OJ990414_12.9A14.C9
Gene No.	51956	Strand	+
Start	1466	End	5343
Name	OJ990414_12.9A14.C9.o2.gs	Method	GENSCAN
Start	1466	End	5343
GI	none	Score	.74
Exons	1466..1580, 2421..2501, 3226..3822, 5204..5343		

Seq. No.	25030	Seq. ID	OJ990414_12.9A14.C9
Gene No.	51957	Strand	-
Start	1	End	4639
Name	OJ990414_12.9A14.C9.o1.np	Method	AAT/NAP
Start	1	End	4639
GI	6967109	Score	563
Exons	1..324, 3316..3756, 4555..4639		
GI Descrip.	(AL138652) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25030	Seq. ID	OJ990414_12.9A14.C9
Gene No.	51957	Strand	-
Start	1	End	4639
Name	OJ990414_12.9A14.C9.o1.tc	Method	TBLASTX:Cress
Start	66	End	3657
GI	none	Score	86
Exons	66..95, 183..284, 184..264, 3312..3545, 3373..3546, 3564..3656, 3565..3657		

Seq. No.	25030	Seq. ID	OJ990414_12.9A14.C9
Gene No.	51957	Strand	-
Start	1	End	4639
Name	OJ990414_12.9A14.C9.o1.tm	Method	TBLASTX:Maize
Start	181	End	3659
GI	none	Score	86
Exons	181..264, 183..284, 3291..3545, 3373..3546, 3564..3659, 3565..3612		

Seq. No.	25030	Seq. ID	OJ990414_12.9A14.C9
Gene No.	51957	Strand	-
Start	1	End	4639
Name	OJ990414_12.9A14.C9.o1.ts	Method	TBLASTX:Soybean
Start	3373	End	3659
GI	none	Score	89
Exons	3373..3546, 3375..3545, 3564..3659, 3565..3612		

Seq. No.	25031	Seq. ID	OJ990414_12.9A14.C10
Gene No.	51958	Strand	-
Start	1	End	1823
Name	OJ990414_12.9A14.C10.o1.gp	Method	AAT/GAP
Start	1	End	361
GI	none	Score	559
Exons	1..361		

Seq. No.	25031	Seq. ID	OJ990414_12.9A14.C10
Gene No.	51958	Strand	-
Start	1	End	1823
Name	OJ990414_12.9A14.C10.o1.np	Method	AAT/NAP
Start	1	End	1823
GI	4371292	Score	48
Exons	1..45, 122..247, 1752..1823		
GI Descrip.	(AC006260) unknown protein [Arabidopsis thaliana]		

Seq. No.	25031	Seq. ID	OJ990414_12.9A14.C10
Gene No.	51958	Strand	-
Start	1	End	1823
Name	OJ990414_12.9A14.C10.o1.gs	Method	GENSCAN
Start	126	End	556
GI	none	Score	.69
Exons	126..247, 329..556		

Seq. No.	25031	Seq. ID	OJ990414_12.9A14.C10
Gene No.	51958	Strand	-
Start	1	End	1823
Name	OJ990414_12.9A14.C10.o2.gp	Method	AAT/GAP
Start	454	End	821
GI	uC-osrocyp010c05b1	Score	606
Exons	454..821		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	25032	Seq. ID	OJ990414_12.9A14.C11
Gene No.	51959	Strand	+
Start	5353	End	5513
Name	OJ990414_12.9A14.C11.o1.gp	Method	AAT/GAP
Start	5353	End	5513
GI	60650_1.R1084	Score	296
Exons	5353..5513		
GI Descrip.	'169459 1.0e-08 (M18538) pop3 peptide [Populus balsamifera subsp. trichocarpa X Populus deltoides]'		

Seq. No.	25032	Seq. ID	OJ990414_12.9A14.C11
Gene No.	51960	Strand	-
Start	697	End	2313

Name	OJ990414_12.9A14.C11.o1.gs	Method	GENSCAN
Start	697	End	2313
GI	none	Score	.5
Exons	697..717, 1852..2313		

Seq. No.	25032	Seq. ID	OJ990414_12.9A14.C11
Gene No.	51961	Strand	-
Start	4532	End	5352
Name	OJ990414_12.9A14.C11.o1.tm	Method	TBLASTX:Maize
Start	3862	End	4044
GI	none	Score	235
Exons	3862..4044, 3864..4043		

Seq. No.	25032	Seq. ID	OJ990414_12.9A14.C11
Gene No.	51961	Strand	-
Start	4532	End	5352
Name	OJ990414_12.9A14.C11.o2.gs	Method	GENSCAN
Start	4532	End	5352
GI	none	Score	.58
Exons	4532..4769, 5324..5352		

Seq. No.	25033	Seq. ID	OJ990414_12.9A14.C12
Gene No.	51962	Strand	+
Start	92	End	155
Name	OJ990414_12.9A14.C12.o1.gs	Method	GENSCAN
Start	92	End	155
GI	none	Score	.59
Exons	92..155		

Seq. No.	25034	Seq. ID	OJ990414_12.9A14.C18
Gene No.	51963	Strand	+
Start	486	End	584
Name	OJ990414_12.9A14.C18.o1.gs	Method	GENSCAN
Start	486	End	584
GI	none	Score	.56
Exons	486..584		

Seq. No.	25035	Seq. ID	OJ990414_12.9A14.C19
Gene No.	51964	Strand	+
Start	81	End	724
Name	OJ990414_12.9A14.C19.o1.gs	Method	GENSCAN
Start	81	End	724
GI	none	Score	.86
Exons	81..91, 536..724		

Seq. No.	25035	Seq. ID	OJ990414_12.9A14.C19
Gene No.	51965	Strand	-
Start	229	End	814
Name	OJ990414_12.9A14.C19.o1.gp	Method	AAT/GAP
Start	229	End	814
GI	LIB3433-051-P1-K1-H5	Score	403
Exons	229..268, 543..814		
GI Descrip.	'474008/dbj|D29729|RICYK43 1.0e-75 Rice mRNA, partial homologous to ribosomal protein S15 gene'		

Seq. No.	25036	Seq. ID	OJ990414_12.9A14.C21
Gene No.	51966	Strand	+

Start	58	End	207
Name	OJ990414_12.9A14.C21.o1.gp	Method	AAT/GAP
Start	58	End	207
GI	none	Score	169
Exons	58..207		

Seq. No.	25036	Seq. ID	OJ990414_12.9A14.C21
Gene No.	51967	Strand	+
Start	394	End	687
Name	OJ990414_12.9A14.C21.o2.gp	Method	AAT/GAP
Start	394	End	687
GI	LIB3433-051-P1-K1-H5	Score	364
Exons	394..687		
GI Descrip.	'474008/dbj|D29729|RICYK43 1.0e-75 Rice mRNA, partial homologous to ribosomal protein S15 gene'		

Seq. No.	25036	Seq. ID	OJ990414_12.9A14.C21
Gene No.	51968	Strand	-
Start	254	End	629
Name	OJ990414_12.9A14.C21.o1.gs	Method	GENSCAN
Start	254	End	629
GI	none	Score	.71
Exons	254..416, 484..629		

Seq. No.	25037	Seq. ID	OJ990414_12.9A14.C22
Gene No.	51969	Strand	+
Start	178	End	656
Name	OJ990414_12.9A14.C22.o1.tc	Method	TBLASTX:Cress
Start	172	End	435
GI	none	Score	458
Exons	172..423, 175..435, 177..434		

Seq. No.	25037	Seq. ID	OJ990414_12.9A14.C22
Gene No.	51969	Strand	+
Start	178	End	656
Name	OJ990414_12.9A14.C22.o1.ts	Method	TBLASTX:Soybean
Start	172	End	656
GI	none	Score	532
Exons	172..486, 175..483, 177..491, 177..488, 565..654, 575..649, 576..656		

Seq. No.	25037	Seq. ID	OJ990414_12.9A14.C22
Gene No.	51969	Strand	+
Start	178	End	656
Name	OJ990414_12.9A14.C22.o1.tm	Method	TBLASTX:Maize
Start	175	End	656
GI	none	Score	537
Exons	175..483, 177..488, 565..654, 576..656		

Seq. No.	25037	Seq. ID	OJ990414_12.9A14.C22
Gene No.	51969	Strand	+
Start	178	End	656
Name	OJ990414_12.9A14.C22.o1.np	Method	AAT/NAP
Start	178	End	656
GI	6503305	Score	589
Exons	178..483, 577..656		
GI Descrip.	(AC011713) Contains similarity to gb|U19615 LET 858 gene from		

Caenorhabditis elegans. ESTs gb|AI995150, gb|H76674 and gb|R84035 come from this gene. [Arabidopsis thaliana]

Seq. No.	25038	Seq. ID	OJ990414_01.9A28.C2
Gene No.	51970	Strand	+
Start	1	End	649
Name	OJ990414_01.9A28.C2.o1.gp	Method	AAT/GAP
Start	1	End	649
GI	54450_1.R1084	Score	929
Exons	1..154, 245..649		
GI Descrip.	'4006865/emb|CAB16783.1| 3.0e-42 (Z99707) putative protein [Arabidopsis thaliana]'		

Seq. No.	25038	Seq. ID	OJ990414_01.9A28.C2
Gene No.	51970	Strand	+
Start	1	End	649
Name	OJ990414_01.9A28.C2.o1.np	Method	AAT/NAP
Start	1	End	385
GI	6686410	Score	249
Exons	1..154, 245..385		
GI Descrip.	(AC007234) F1E22.4 [Arabidopsis thaliana]		

Seq. No.	25038	Seq. ID	OJ990414_01.9A28.C2
Gene No.	51970	Strand	+
Start	1	End	649
Name	OJ990414_01.9A28.C2.o1.tm	Method	TBLASTX:Maize
Start	40	End	400
GI	none	Score	116
Exons	40..105, 41..118, 48..155, 49..156, 50..154, 288..398, 288..380, 290..400, 301..384, 302..388		

Seq. No.	25038	Seq. ID	OJ990414_01.9A28.C2
Gene No.	51970	Strand	+
Start	1	End	649
Name	OJ990414_01.9A28.C2.o1.ts	Method	TBLASTX:Soybean
Start	40	End	415
GI	none	Score	94
Exons	40..105, 41..118, 288..392, 288..389, 290..394, 301..399, 302..415		

Seq. No.	25038	Seq. ID	OJ990414_01.9A28.C2
Gene No.	51970	Strand	+
Start	1	End	649
Name	OJ990414_01.9A28.C2.o1.gs	Method	GENSCAN
Start	51	End	391
GI	none	Score	1
Exons	51..154, 245..391		

Seq. No.	25039	Seq. ID	OJ990414_01.9A28.C5
Gene No.	51971	Strand	+
Start	1	End	1472
Name	OJ990414_01.9A28.C5.o1.gp	Method	AAT/GAP
Start	1	End	1472
GI	851_1.R1084	Score	2084
Exons	1..447, 826..1472		
GI Descrip.	'4096173 2.0e-93 (U25968) early embryogenesis protein [Oryza sativa]'		

Seq. No.	25039	Seq. ID	OJ990414_01.9A28.C5
Gene No.	51971	Strand	+
Start	1	End	1472
Name	OJ990414_01.9A28.C5.o1.np	Method	AAT/NAP
Start	1	End	1260
GI	4096173	Score	1337
Exons	1..447, 826..1260		
GI Descrip.	(U25968) early embryogenesis protein [Oryza sativa]		

Seq. No.	25039	Seq. ID	OJ990414_01.9A28.C5
Gene No.	51971	Strand	+
Start	1	End	1472
Name	OJ990414_01.9A28.C5.o1.gs	Method	GENSCAN
Start	47	End	1263
GI	none	Score	1
Exons	47..447, 826..1263		

Seq. No.	25039	Seq. ID	OJ990414_01.9A28.C5
Gene No.	51971	Strand	+
Start	1	End	1472
Name	OJ990414_01.9A28.C5.o1.tc	Method	TBLASTX:Cress
Start	283	End	1155
GI	none	Score	112
Exons	283..423, 823..1155, 825..893, 954..1154		

Seq. No.	25039	Seq. ID	OJ990414_01.9A28.C5
Gene No.	51971	Strand	+
Start	1	End	1472
Name	OJ990414_01.9A28.C5.o1.tm	Method	TBLASTX:Maize
Start	294	End	1188
GI	none	Score	109
Exons	294..419, 295..423, 298..423, 823..1188, 828..1187		

Seq. No.	25039	Seq. ID	OJ990414_01.9A28.C5
Gene No.	51971	Strand	+
Start	1	End	1472
Name	OJ990414_01.9A28.C5.o1.ts	Method	TBLASTX:Soybean
Start	823	End	1035
GI	none	Score	45
Exons	823..855, 856..1035, 879..1034		

Seq. No.	25040	Seq. ID	OJ990414_01.9A28.C9
Gene No.	51972	Strand	+
Start	1	End	1157
Name	OJ990414_01.9A28.C9.o1.np	Method	AAT/NAP
Start	1	End	1157
GI	6630696	Score	2017
Exons	1..1157		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25040	Seq. ID	OJ990414_01.9A28.C9
Gene No.	51972	Strand	+
Start	1	End	1157
Name	OJ990414_01.9A28.C9.o1.tw	Method	TBLASTX:Wheat

Start	8	End	542
GI	none	Score	118
Exons	8..202, 9..542, 9..260, 11..292, 360..542		

Seq. No.	25040	Seq. ID	OJ990414_01.9A28.C9
Gene No.	51972	Strand	+
Start	1	End	1157
Name	OJ990414_01.9A28.C9.o1.ts	Method	TBLASTX:Soybean
Start	462	End	926
GI	5509260	Score	385
Exons	462..926, 554..718, 645..812		
GI Descrip.	-		

Seq. No.	25040	Seq. ID	OJ990414_01.9A28.C9
Gene No.	51972	Strand	+
Start	1	End	1157
Name	OJ990414_01.9A28.C9.o1.tc	Method	TBLASTX:Cress
Start	554	End	815
GI	none	Score	292
Exons	554..727, 555..815		

Seq. No.	25040	Seq. ID	OJ990414_01.9A28.C9
Gene No.	51972	Strand	+
Start	1	End	1157
Name	OJ990414_01.9A28.C9.o1.tm	Method	TBLASTX:Maize
Start	596	End	1061
GI	none	Score	359
Exons	596..727, 597..1061, 732..812, 848..958		

Seq. No.	25040	Seq. ID	OJ990414_01.9A28.C9
Gene No.	51972	Strand	+
Start	1	End	1157
Name	OJ990414_01.9A28.C9.o2.tw	Method	TBLASTX:Wheat
Start	597	End	1142
GI	none	Score	316
Exons	597..941, 614..778, 936..1142, 1079..1132		

Seq. No.	25041	Seq. ID	OJ990414_01.9A28.C10
Gene No.	51973	Strand	-
Start	150	End	221
Name	OJ990414_01.9A28.C10.o1.gs	Method	GENSCAN
Start	150	End	221
GI	none	Score	.63
Exons	150..221		

Seq. No.	25042	Seq. ID	OJ990414_01.9A28.C11
Gene No.	51974	Strand	+
Start	1	End	542
Name	OJ990414_01.9A28.C11.o1.np	Method	AAT/NAP
Start	1	End	542
GI	6539580	Score	157
Exons	1..257, 351..542		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25042	Seq. ID	OJ990414_01.9A28.C11
Gene No.	51974	Strand	+
Start	1	End	542

Name	OJ990414_01.9A28.C11.o1.gs	Method	GENSCAN
Start	64	End	511
GI	none	Score	.94
Exons	64..237, 328..511		

Seq. No.	25043	Seq. ID	OJ990414_01.9A28.C12
Gene No.	51975	Strand	-
Start	9	End	102
Name	OJ990414_01.9A28.C12.o1.gs	Method	GENSCAN
Start	9	End	102
GI	none	Score	.92
Exons	9..102		

Seq. No.	25044	Seq. ID	OJ990414_01.9A28.C13
Gene No.	51976	Strand	+
Start	168	End	1431
Name	OJ990414_01.9A28.C13.o1.gs	Method	GENSCAN
Start	168	End	1431
GI	none	Score	.72
Exons	168..369, 465..555, 1012..1179, 1416..1431		

Seq. No.	25044	Seq. ID	OJ990414_01.9A28.C13
Gene No.	51977	Strand	-
Start	2414	End	2940
Name	OJ990414_01.9A28.C13.o2.gs	Method	GENSCAN
Start	2414	End	2872
GI	none	Score	.85
Exons	2414..2872		

Seq. No.	25044	Seq. ID	OJ990414_01.9A28.C13
Gene No.	51977	Strand	-
Start	2414	End	2940
Name	OJ990414_01.9A28.C13.o1.gp	Method	AAT/GAP
Start	2530	End	2940
GI	none	Score	798
Exons	2530..2940		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51978	Strand	+
Start	6138	End	12397
Name	OJ990414_01.9A28.C15.o2.gs	Method	GENSCAN
Start	6138	End	12067
GI	none	Score	.67
Exons	6138..6151, 6449..6488, 6598..6670, 6697..6734, 7954..8022, 8268..8336, 9103..9630, 9722..9895, 10224..10284, 10363..10454, 10546..10612, 10700..10771, 10906..11123, 11272..11406, 11518..11813, 11896..12067		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51978	Strand	+
Start	6138	End	12397
Name	OJ990414_01.9A28.C15.o3.np	Method	AAT/NAP
Start	8981	End	12397
GI	6539580	Score	631
Exons	8981..9630, 9722..9915, 10009..10320, 10819..11072, 11236..11797, 11883..12067, 12168..12397		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51978	Strand	+
Start	6138	End	12397
Name	OJ990414_01.9A28.C15.o4.np	Method	AAT/NAP
Start	8998	End	12397
GI	6539580	Score	628
Exons	8998..9630, 9722..9915, 10009..10320, 10819..11072, 11236..11797, 11883..12067, 12168..12397		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o1.gs	Method	GENSCAN
Start	164	End	5779
GI	none	Score	.72
Exons	164..412, 1743..1804, 1896..3157, 3239..3421, 3513..4061, 4461..4775, 4932..5044, 5055..5166, 5670..5779		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o1.np	Method	AAT/NAP
Start	1577	End	3666
GI	1091678	Score	683
Exons	1577..1716, 1895..3157, 3239..3421, 3513..3666		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o4.tm	Method	TBLASTX:Maize
Start	1743	End	2097
GI	none	Score	196
Exons	1743..1796, 1897..2097, 1901..2095		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o2.ts	Method	TBLASTX:Soybean
Start	1912	End	2125
GI	none	Score	161
Exons	1912..2115, 1913..2125		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o1.ts	Method	TBLASTX:Soybean
Start	2344	End	2989
GI	none	Score	65
Exons	2344..2988, 2672..2989		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o2.tm	Method	TBLASTX:Maize

Start	2432	End	2784
GI	none	Score	83
Exons	2432..2524, 2434..2547, 2434..2547, 2548..2784, 2549..2782, 2551..2784		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o1.tw	Method	TBLASTX:Wheat
Start	2650	End	2978
GI	none	Score	204
Exons	2650..2964, 2666..2977, 2672..2968, 2718..2978		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o3.tm	Method	TBLASTX:Maize
Start	2932	End	3177
GI	none	Score	229
Exons	2932..3177, 2933..3160		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o1.tm	Method	TBLASTX:Maize
Start	3250	End	3973
GI	none	Score	75
Exons	3250..3312, 3252..3314, 3252..3314, 3253..3315, 3307..3423, 3308..3424, 3507..3725, 3509..3730, 3512..3748, 3728..3940, 3780..3914, 3926..3973		

Seq. No.	25045	Seq. ID	OJ990414_01.9A28.C15
Gene No.	51979	Strand	-
Start	164	End	6577
Name	OJ990414_01.9A28.C15.o2.np	Method	AAT/NAP
Start	3926	End	6577
GI	2274845	Score	45
Exons	3926..4053, 4638..4877, 5102..5363, 6521..6577		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51980	Strand	+
Start	164	End	840
Name	OJ990414_01.9A28.C16.o1.gs	Method	GENSCAN
Start	164	End	840
GI	none	Score	.73
Exons	164..268, 362..462, 549..738, 802..840		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o1.np	Method	AAT/NAP
Start	477	End	4980
GI	6539581	Score	1793
Exons	477..559, 1405..3306, 3412..3810, 4892..4980		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o2.gs	Method	GENSCAN
Start	1276	End	8398
GI	none	Score	.97
Exons	1276..1337, 1557..3897, 4312..4455, 4846..4925, 5026..5139, 5255..5347, 5559..5642, 5901..5948, 8296..8398		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o2.tw	Method	TBLASTX:Wheat
Start	2419	End	2857
GI	none	Score	102
Exons	2419..2640, 2656..2856, 2681..2857		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o1.ts	Method	TBLASTX:Soybean
Start	2482	End	3030
GI	none	Score	185
Exons	2482..2652, 2656..3030, 2744..2989		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o1.tm	Method	TBLASTX:Maize
Start	2693	End	3087
GI	none	Score	95
Exons	2693..2890, 2696..2992, 2704..3087, 2725..3066		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o1.tc	Method	TBLASTX:Cress
Start	2776	End	3105
GI	none	Score	115
Exons	2776..3096, 2783..3067, 2863..3105		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o1.tw	Method	TBLASTX:Wheat
Start	2923	End	3315
GI	none	Score	102
Exons	2923..3213, 2924..3223, 3217..3315		

Seq. No.	25046	Seq. ID	OJ990414_01.9A28.C16
Gene No.	51981	Strand	-
Start	477	End	8398
Name	OJ990414_01.9A28.C16.o2.tm	Method	TBLASTX:Maize
Start	3088	End	3312
GI	none	Score	75
Exons	3088..3312, 3116..3259, 3169..3312		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51982	Strand	-
Start	70	End	289
Name	OJ990414_01.9A28.C17.o1.gs	Method	GENSCAN
Start	70	End	289
GI	none	Score	.63
Exons	70..289		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51983	Strand	-
Start	718	End	1006
Name	OJ990414_01.9A28.C17.o1.gp	Method	AAT/GAP
Start	718	End	1006
GI	426253	Score	510
Exons	718..1006		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585
Name	OJ990414_01.9A28.C17.o2.ts	Method	TBLASTX:Soybean
Start	31	End	215
GI	none	Score	52
Exons	31..99, 33..110, 101..214, 102..215		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585
Name	OJ990414_01.9A28.C17.o2.tw	Method	TBLASTX:Wheat
Start	1277	End	1631
GI	none	Score	92
Exons	1277..1306, 1278..1406, 1350..1403, 1418..1480, 1453..1479, 1463..1561, 1479..1586, 1491..1553, 1492..1584, 1587..1631, 1599..1631		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585
Name	OJ990414_01.9A28.C17.o2.gs	Method	GENSCAN
Start	1769	End	2305
GI	none	Score	.51
Exons	1769..2305		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585
Name	OJ990414_01.9A28.C17.o1.np	Method	AAT/NAP
Start	1772	End	2585
GI	6630696	Score	1310
Exons	1772..2585		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585

Name	OJ990414_01.9A28.C17.o1.tw	Method	TBLASTX:Wheat
Start	1908	End	2383
GI	none	Score	409
Exons	1908..2294, 1910..2293, 1946..2344, 2283..2378, 2309..2383, 2310..2378, 2323..2382		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585
Name	OJ990414_01.9A28.C17.o1.ts	Method	TBLASTX:Soybean
Start	2021	End	2395
GI	none	Score	58
Exons	2021..2245, 2115..2246, 2264..2389, 2264..2395		

Seq. No.	25047	Seq. ID	OJ990414_01.9A28.C17
Gene No.	51984	Strand	-
Start	1769	End	2585
Name	OJ990414_01.9A28.C17.o1.tm	Method	TBLASTX:Maize
Start	2240	End	2558
GI	none	Score	299
Exons	2240..2554, 2241..2558		

Seq. No.	25048	Seq. ID	OJ990414_01.9A28.C18
Gene No.	51985	Strand	-
Start	387	End	569
Name	OJ990414_01.9A28.C18.o1.gs	Method	GENSCAN
Start	387	End	569
GI	none	Score	.96
Exons	387..569		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o1.np	Method	AAT/NAP
Start	1	End	1835
GI	1495768	Score	1071
Exons	1..321, 429..551, 657..1630, 1740..1835		
GI Descrip.	(Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o1.gp	Method	AAT/GAP
Start	188	End	572
GI	60632_1.R1084	Score	446
Exons	188..321, 429..572		
GI Descrip.	'1495768/emb|CAA92823| 1.0e-39 (Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]'		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o3.ts	Method	TBLASTX:Soybean
Start	192	End	554
GI	none	Score	86
Exons	192..323, 192..323, 196..327, 196..333, 446..553, 447..554		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o1.gs	Method	GENSCAN
Start	193	End	1700
GI	none	Score	.52
Exons	193..321, 429..551, 657..1700		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o1.tm	Method	TBLASTX:Maize
Start	500	End	1646
GI	none	Score	62
Exons	500..553, 501..554, 501..560, 656..790, 657..932, 657..794, 810..1646, 859..921, 861..1073, 956..1645		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o2.ts	Method	TBLASTX:Soybean
Start	656	End	819
GI	none	Score	182
Exons	656..790, 657..800, 697..819		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o1.ts	Method	TBLASTX:Soybean
Start	939	End	1547
GI	none	Score	675
Exons	939..1547, 956..1546		

Seq. No.	25049	Seq. ID	OJ990414_01.9A28.C20
Gene No.	51986	Strand	+
Start	1	End	1835
Name	OJ990414_01.9A28.C20.o2.gp	Method	AAT/GAP
Start	1222	End	1550
GI	31488_1.R1084	Score	590
Exons	1222..1550		
GI Descrip.	'1495768/emb|CAA92823| 7.0e-22 (Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]'		

Seq. No.	25050	Seq. ID	OJ990414_01.9A28.C23
Gene No.	51987	Strand	-
Start	928	End	1108
Name	OJ990414_01.9A28.C23.o1.gs	Method	GENSCAN
Start	928	End	1089
GI	none	Score	1
Exons	928..1089		

Seq. No.	25050	Seq. ID	OJ990414_01.9A28.C23
Gene No.	51987	Strand	-
Start	928	End	1108
Name	OJ990414_01.9A28.C23.o1.ts	Method	TBLASTX:Soybean
Start	928	End	1108

GI	none	Score	125
Exons	928..1107, 929..1108		
Seq. No.	25050	Seq. ID	OJ990414_01.9A28.C23
Gene No.	51987	Strand	-
Start	928	End	1108
Name	OJ990414_01.9A28.C23.o1.tm	Method	TBLASTX:Maize
Start	932	End	1069
GI	none	Score	128
Exons	932..1069, 934..1059		
Seq. No.	25051	Seq. ID	OJ990414_01.9A28.C24
Gene No.	51988	Strand	-
Start	512	End	639
Name	OJ990414_01.9A28.C24.o1.gs	Method	GENSCAN
Start	512	End	639
GI	none	Score	.88
Exons	512..639		
Seq. No.	25052	Seq. ID	OJ990414_01.9A28.C25
Gene No.	51989	Strand	-
Start	781	End	874
Name	OJ990414_01.9A28.C25.o1.gs	Method	GENSCAN
Start	781	End	874
GI	none	Score	.91
Exons	781..874		
Seq. No.	25053	Seq. ID	OJ990414_01.9A28.C28
Gene No.	51990	Strand	+
Start	26	End	421
Name	OJ990414_01.9A28.C28.o1.ts	Method	TBLASTX:Soybean
Start	14	End	421
GI	none	Score	59
Exons	14..115, 92..421, 166..420		
Seq. No.	25053	Seq. ID	OJ990414_01.9A28.C28
Gene No.	51990	Strand	+
Start	26	End	421
Name	OJ990414_01.9A28.C28.o1.gs	Method	GENSCAN
Start	26	End	421
GI	none	Score	.99
Exons	26..421		
Seq. No.	25053	Seq. ID	OJ990414_01.9A28.C28
Gene No.	51990	Strand	+
Start	26	End	421
Name	OJ990414_01.9A28.C28.o1.tm	Method	TBLASTX:Maize
Start	280	End	417
GI	none	Score	236
Exons	280..417, 290..415		
Seq. No.	25054	Seq. ID	OJ990414_01.9A28.C29
Gene No.	51991	Strand	-
Start	1	End	934
Name	OJ990414_01.9A28.C29.o1.np	Method	AAT/NAP
Start	1	End	828
GI	6630696	Score	1326

Exons	1..828		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25054	Seq. ID	OJ990414_01.9A28.C29
Gene No.	51991	Strand	-
Start	1	End	934
Name	OJ990414_01.9A28.C29.o1.gp	Method	AAT/GAP
Start	81	End	786
GI	101595_1.R1084	Score	1348
Exons	81..786		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	25054	Seq. ID	OJ990414_01.9A28.C29
Gene No.	51991	Strand	-
Start	1	End	934
Name	OJ990414_01.9A28.C29.o1.tm	Method	TBLASTX:Maize
Start	478	End	786
GI	none	Score	110
Exons	478..786, 481..657, 543..686, 557..739		

Seq. No.	25054	Seq. ID	OJ990414_01.9A28.C29
Gene No.	51991	Strand	-
Start	1	End	934
Name	OJ990414_01.9A28.C29.o1.tw	Method	TBLASTX:Wheat
Start	537	End	934
GI	none	Score	152
Exons	537..719, 538..822, 557..748, 799..933, 836..934		

Seq. No.	25055	Seq. ID	OJ990414_01.9A28.C30
Gene No.	51992	Strand	-
Start	44	End	203
Name	OJ990414_01.9A28.C30.o1.gp	Method	AAT/GAP
Start	44	End	203
GI	426253	Score	250
Exons	44..203		

Seq. No.	25055	Seq. ID	OJ990414_01.9A28.C30
Gene No.	51993	Strand	-
Start	418	End	540
Name	OJ990414_01.9A28.C30.o1.gs	Method	GENSCAN
Start	418	End	540
GI	none	Score	.45
Exons	418..540		

Seq. No.	25055	Seq. ID	OJ990414_01.9A28.C30
Gene No.	51994	Strand	-
Start	1237	End	4516
Name	OJ990414_01.9A28.C30.o2.gs	Method	GENSCAN
Start	1237	End	4516
GI	none	Score	.56
Exons	1237..1807, 1836..1996, 3887..4516		

Seq. No.	25055	Seq. ID	OJ990414_01.9A28.C30
Gene No.	51994	Strand	-

Start	1237	End	4516
Name	OJ990414_01.9A28.C30.o1.ts	Method	TBLASTX:Soybean
Start	1435	End	4276
GI	none	Score	122
Exons	1435..1578, 1436..1597, 1438..1617, 1679..1759, 1687..1758, 1754..1804, 1781..1804, 1817..1858, 3861..4091, 3875..4093, 4101..4148, 4103..4147, 4208..4276		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51995	Strand	+
Start	5614	End	7086
Name	OJ990414_01.9A28.C32.o2.np	Method	AAT/NAP
Start	5614	End	6933
GI	2266664	Score	745
Exons	5614..5961, 6592..6933		
GI Descrip.	(Y14201) hypothetical protein [Hordeum vulgare]		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51995	Strand	+
Start	5614	End	7086
Name	OJ990414_01.9A28.C32.o3.gs	Method	GENSCAN
Start	5614	End	6933
GI	none	Score	.97
Exons	5614..5961, 6592..6933		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51995	Strand	+
Start	5614	End	7086
Name	OJ990414_01.9A28.C32.o1.gp	Method	AAT/GAP
Start	6621	End	7086
GI	LIB3432-008-P1-K1-E12	Score	899
Exons	6621..7086		
GI Descrip.	'2266664/emb|CAA74593| 7.0e-35 (Y14201) hypothetical protein [Hordeum vulgare]'		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51996	Strand	-
Start	634	End	1335
Name	OJ990414_01.9A28.C32.o1.gs	Method	GENSCAN
Start	634	End	1335
GI	none	Score	.95
Exons	634..1335		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51997	Strand	-
Start	2987	End	6936
Name	OJ990414_01.9A28.C32.o2.tm	Method	TBLASTX:Maize
Start	632	End	6936
GI	none	Score	62
Exons	632..727, 633..740, 634..882, 635..877, 2969..3091, 2996..3109, 2997..3110, 3125..3241, 3126..3236, 6685..6936, 6690..6935		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51997	Strand	-
Start	2987	End	6936
Name	OJ990414_01.9A28.C32.o1.ts	Method	TBLASTX:Soybean
Start	637	End	6930

GI	none	Score	123
Exons	637..912, 638..895, 931..990, 932..994, 1015..1062, 1072..1113, 1129..1263, 2996..3109, 2997..3110, 3125..3349, 3132..3236, 3288..3350, 3359..3415, 3425..3466, 3482..3550, 5686..5817, 6598..6636, 6601..6636, 6655..6930, 6672..6926		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51997	Strand	-
Start	2987	End	6936
Name	OJ990414_01.9A28.C32.o1.tm	Method	TBLASTX:Maize
Start	913	End	6644
GI	none	Score	130
Exons	913..990, 923..997, 1007..1114, 1015..1113, 1123..1218, 1126..1266, 1127..1243, 3266..3352, 3288..3350, 3356..3466, 3360..3467, 3476..3571, 3479..3559, 3560..3595, 3562..3594, 5686..5823, 5704..5817, 5724..5900, 6591..6644, 6598..6636		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51997	Strand	-
Start	2987	End	6936
Name	OJ990414_01.9A28.C32.o2.gs	Method	GENSCAN
Start	2987	End	5006
GI	none	Score	.85
Exons	2987..3672, 4556..4721, 4821..5006		

Seq. No.	25056	Seq. ID	OJ990414_01.9A28.C32
Gene No.	51997	Strand	-
Start	2987	End	6936
Name	OJ990414_01.9A28.C32.o1.np	Method	AAT/NAP
Start	2990	End	3678
GI	2266666	Score	826
Exons	2990..3678		
GI Descrip.	(Y14202) hypothetical protein [Hordeum vulgare]		

Seq. No.	25057	Seq. ID	OJ990414_01.9A28.C33
Gene No.	51998	Strand	+
Start	567	End	4036
Name	OJ990414_01.9A28.C33.o1.gp	Method	AAT/GAP
Start	567	End	1003
GI	none	Score	506
Exons	567..682, 808..1003		

Seq. No.	25057	Seq. ID	OJ990414_01.9A28.C33
Gene No.	51998	Strand	+
Start	567	End	4036
Name	OJ990414_01.9A28.C33.o1.gs	Method	GENSCAN
Start	872	End	4036
GI	none	Score	.46
Exons	872..979, 3408..3648, 3754..3779, 3827..4036		

Seq. No.	25058	Seq. ID	OJ990414_01.9A28.C34
Gene No.	51999	Strand	+
Start	1	End	1754
Name	OJ990414_01.9A28.C34.o1.np	Method	AAT/NAP
Start	1	End	1754
GI	115825	Score	69
Exons	1..126, 1715..1754		

GI Descrip. CHLOROPHYLL A-B BINDING PROTEIN 3C PRECURSOR (LHCII TYPE I CAB-3C) (LHCP) gi|72734|pir||CDTO3C chlorophyll a/b-binding protein 3C precursor - tomato gi|224932|prf||1204205G protein 3C,chlorophyll binding [Lycopersicon esculentum]

Seq. No.	25058	Seq. ID	OJ990414_01.9A28.C34
Gene No.	52000	Strand	-
Start	39	End	1550
Name	OJ990414_01.9A28.C34.o1.gs	Method	GENSCAN
Start	39	End	1550
GI	none	Score	.6
Exons	39..143, 274..377, 1393..1550		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52001	Strand	+
Start	720	End	2144
Name	OJ990414_01.9A28.C35.o1.gs	Method	GENSCAN
Start	720	End	2144
GI	none	Score	.56
Exons	720..783, 1025..1062, 1860..2144		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52002	Strand	+
Start	8390	End	10189
Name	OJ990414_01.9A28.C35.o3.gs	Method	GENSCAN
Start	8390	End	10189
GI	none	Score	.77
Exons	8390..8771, 10185..10189		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52003	Strand	+
Start	10820	End	11150
Name	OJ990414_01.9A28.C35.o1.gp	Method	AAT/GAP
Start	10820	End	11150
GI	286336	Score	593
Exons	10820..11150		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52004	Strand	+
Start	12374	End	13461
Name	OJ990414_01.9A28.C35.o5.gs	Method	GENSCAN
Start	12374	End	13307
GI	none	Score	.79
Exons	12374..12412, 12660..12779, 13176..13307		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52004	Strand	+
Start	12374	End	13461
Name	OJ990414_01.9A28.C35.o2.gp	Method	AAT/GAP
Start	12635	End	13461
GI	3760682	Score	754
Exons	12635..12779, 13176..13461		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52005	Strand	+
Start	13776	End	14107
Name	OJ990414_01.9A28.C35.o3.gp	Method	AAT/GAP

Start	13776	End	14107
GI	1140_1.R1084	Score	586
Exons	13776..14107		
GI Descrip.	'1495768/emb|CAA92823| 2.0e-36 (Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]'		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o2.gs	Method	GENSCAN
Start	2709	End	7342
GI	none	Score	.83
Exons	2709..2891, 3975..4859, 5900..6052, 6618..6818, 6876..7124, 7325..7342		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o1.np	Method	AAT/NAP
Start	3953	End	11105
GI	2627133	Score	769
Exons	3953..4193, 4281..4716, 6731..7109, 10827..11105		
GI Descrip.	(AB003732) polyubiquitin [Cricetulus griseus]		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o1.tc	Method	TBLASTX:Cress
Start	3966	End	11145
GI	none	Score	70
Exons	3966..4073, 3967..4074, 4179..4196, 4290..4511, 4384..4509, 4512..4550, 4599..4721, 4600..4722, 6750..6959, 6769..6957, 6960..6998, 7044..7109, 10716..10769, 10770..10820, 10881..11102, 10882..11091, 10887..11102, 10966..11145		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o1.tw	Method	TBLASTX:Wheat
Start	3966	End	11298
GI	none	Score	76
Exons	3966..4073, 3966..4073, 3967..4074, 3979..4074, 4147..4194, 4170..4196, 4290..4508, 4290..4538, 4291..4509, 4320..4520, 4384..4509, 4432..4509, 4434..4508, 4512..4550, 4512..4550, 4599..4736, 4599..4715, 4600..4719, 4600..4716, 4639..4716, 4641..4715, 6750..6956, 6750..6986, 6751..6951, 6751..6957, 6891..6956, 6960..6998, 6960..6998, 7044..7109, 7044..7109, 7044..7109, 10879..11097, 10881..11102, 10887..11117, 10887..11102, 10890..11102, 10966..11106, 10966..11109, 11037..11102, 11041..11106, 11239..11298		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o1.ts	Method	TBLASTX:Soybean
Start	3966	End	11112
GI	none	Score	67

Exons	3966..4073, 3967..4074, 4290..4520, 4320..4520, 4384..4521, 4512..4550, 4599..4733, 4600..4731, 6750..6974, 6769..6978, 6960..6998, 7044..7109, 10650..10706, 10651..10707, 10716..10769, 10717..10761, 10767..10820, 10887..11102, 10887..11111, 10966..11112		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o1.tm	Method	TBLASTX:Maize
Start	3966	End	11132
GI	none	Score	81
Exons	3966..4073, 3967..4074, 4164..4196, 4290..4517, 4291..4518, 4512..4550, 4599..4718, 4600..4719, 6750..6965, 6751..6966, 6960..6998, 7044..7109, 10650..10706, 10651..10707, 10716..10820, 10717..10845, 10873..11097, 10881..11102, 10887..11132, 10966..11109		

Seq. No.	25059	Seq. ID	OJ990414_01.9A28.C35
Gene No.	52006	Strand	-
Start	2709	End	11298
Name	OJ990414_01.9A28.C35.o4.gs	Method	GENSCAN
Start	10677	End	11120
GI	none	Score	.78
Exons	10677..11120		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52007	Strand	+
Start	1	End	258
Name	OJ990414_01.9A28.C36.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	3760682	Score	436
Exons	1..258		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52008	Strand	-
Start	913	End	1714
Name	OJ990414_01.9A28.C36.o2.gp	Method	AAT/GAP
Start	542	End	1625
GI	1140_1.R1084	Score	1480
Exons	542..1164, 1448..1625		
GI Descrip.	'1495768/emb|CAA92823| 2.0e-36 (Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]'		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52008	Strand	-
Start	913	End	1714
Name	OJ990414_01.9A28.C36.o1.tm	Method	TBLASTX:Maize
Start	787	End	1714
GI	none	Score	41
Exons	787..831, 787..834, 806..835, 860..883, 906..1160, 907..1155, 907..1164, 989..1159, 1445..1714, 1446..1712, 1448..1714		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52008	Strand	-
Start	913	End	1714
Name	OJ990414_01.9A28.C36.o1.gs	Method	GENSCAN

Start	913	End	1608
GI	none	Score	.78
Exons	913..1164, 1448..1608		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52008	Strand	-
Start	913	End	1714
Name	OJ990414_01.9A28.C36.o1.np	Method	AAT/NAP
Start	916	End	1714
GI	1495768	Score	443
Exons	916..1164, 1448..1714		
GI Descrip.	(Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52008	Strand	-
Start	913	End	1714
Name	OJ990414_01.9A28.C36.o2.ts	Method	TBLASTX:Soybean
Start	919	End	1543
GI	none	Score	110
Exons	919..1116, 989..1117, 1117..1164, 1121..1165, 1445..1543		

Seq. No.	25060	Seq. ID	OJ990414_01.9A28.C36
Gene No.	52008	Strand	-
Start	913	End	1714
Name	OJ990414_01.9A28.C36.o1.ts	Method	TBLASTX:Soybean
Start	1544	End	1714
GI	none	Score	138
Exons	1544..1714, 1545..1709		

Seq. No.	25061	Seq. ID	OJ990414_01.9A28.C40
Gene No.	52009	Strand	+
Start	459	End	723
Name	OJ990414_01.9A28.C40.o1.gs	Method	GENSCAN
Start	459	End	716
GI	none	Score	.76
Exons	459..716		

Seq. No.	25061	Seq. ID	OJ990414_01.9A28.C40
Gene No.	52009	Strand	+
Start	459	End	723
Name	OJ990414_01.9A28.C40.o1.np	Method	AAT/NAP
Start	459	End	723
GI	2266664	Score	211
Exons	459..723		
GI Descrip.	(Y14201) hypothetical protein [Hordeum vulgare]		

Seq. No.	25062	Seq. ID	OJ990414_01.9A28.C41
Gene No.	52010	Strand	-
Start	316	End	986
Name	OJ990414_01.9A28.C41.o1.np	Method	AAT/NAP
Start	279	End	986
GI	5733880	Score	113
Exons	279..399, 731..986		
GI Descrip.	(AC007932) F11A17.16 [Arabidopsis thaliana]		

Seq. No.	25062	Seq. ID	OJ990414_01.9A28.C41

Gene No.	52010	Strand	-
Start	316	End	986
Name	OJ990414_01.9A28.C41.o1.gs	Method	GENSCAN
Start	316	End	844
GI	none	Score	.86
Exons	316..399, 731..844		

Seq. No.	25062	Seq. ID	OJ990414_01.9A28.C41
Gene No.	52010	Strand	-
Start	316	End	986
Name	OJ990414_01.9A28.C41.o1.tm	Method	TBLASTX:Maize
Start	351	End	877
GI	none	Score	58
Exons	351..401, 351..401, 352..402, 733..876	352..402, 731..877, 732..875,	

Seq. No.	25063	Seq. ID	OJ990414_01.9A28.C42
Gene No.	52011	Strand	-
Start	1	End	1370
Name	OJ990414_01.9A28.C42.o1.np	Method	AAT/NAP
Start	1	End	1370
GI	2832661	Score	513
Exons	1..23, 329..440, 545..762, 802..933, 1053..1370		
GI Descrip.	(AL021710) pherophorin - like protein [Arabidopsis thaliana]		

Seq. No.	25063	Seq. ID	OJ990414_01.9A28.C42
Gene No.	52011	Strand	-
Start	1	End	1370
Name	OJ990414_01.9A28.C42.o1.tm	Method	TBLASTX:Maize
Start	324	End	714
GI	none	Score	105
Exons	324..401, 326..436, 326..442, 547..714, 556..714	330..443, 539..712, 546..713,	

Seq. No.	25063	Seq. ID	OJ990414_01.9A28.C42
Gene No.	52011	Strand	-
Start	1	End	1370
Name	OJ990414_01.9A28.C42.o1.ts	Method	TBLASTX:Soybean
Start	326	End	1175
GI	none	Score	78
Exons	326..442, 531..728, 534..704, 800..925, 1050..1175	539..763, 547..726, 799..930,	

Seq. No.	25063	Seq. ID	OJ990414_01.9A28.C42
Gene No.	52011	Strand	-
Start	1	End	1370
Name	OJ990414_01.9A28.C42.o1.gs	Method	GENSCAN
Start	329	End	1326
GI	none	Score	.81
Exons	329..440, 545..726, 802..933, 1053..1326		

Seq. No.	25063	Seq. ID	OJ990414_01.9A28.C42
Gene No.	52011	Strand	-
Start	1	End	1370
Name	OJ990414_01.9A28.C42.o1.tc	Method	TBLASTX:Cress
Start	547	End	1124
GI	none	Score	126

Exons	547..726, 563..760, 563..739, 799..933, 800..928, 1050..1124		
Seq. No.	25063	Seq. ID	OJ990414_01.9A28.C42
Gene No.	52011	Strand	-
Start	1	End	1370
Name	OJ990414_01.9A28.C42.o2.tm	Method	TBLASTX:Maize
Start	1048	End	1306
GI	none	Score	250
Exons	1048..1239, 1050..1238, 1057..1305, 1058..1306		
Seq. No.	25064	Seq. ID	OJ990414_01.9A28.C43
Gene No.	52012	Strand	-
Start	1	End	4718
Name	OJ990414_01.9A28.C43.o1.np	Method	AAT/NAP
Start	1	End	911
GI	4220455	Score	94
Exons	1..31, 529..719, 818..911		
GI Descrip.	(AC006216) Identical to gene gb|D88746 AR791 from Arabidopsis thaliana. [Arabidopsis thaliana]		
Seq. No.	25064	Seq. ID	OJ990414_01.9A28.C43
Gene No.	52012	Strand	-
Start	1	End	4718
Name	OJ990414_01.9A28.C43.o1.gs	Method	GENSCAN
Start	58	End	3980
GI	none	Score	.56
Exons	58..691, 784..1598, 1644..1655, 2842..2973, 3802..3980		
Seq. No.	25064	Seq. ID	OJ990414_01.9A28.C43
Gene No.	52012	Strand	-
Start	1	End	4718
Name	OJ990414_01.9A28.C43.o1.tm	Method	TBLASTX:Maize
Start	194	End	432
GI	none	Score	256
Exons	194..412, 195..404, 200..409, 205..432		
Seq. No.	25064	Seq. ID	OJ990414_01.9A28.C43
Gene No.	52012	Strand	-
Start	1	End	4718
Name	OJ990414_01.9A28.C43.o1.ts	Method	TBLASTX:Soybean
Start	473	End	933
GI	none	Score	94
Exons	473..694, 527..649, 784..933, 812..907, 829..909		
Seq. No.	25064	Seq. ID	OJ990414_01.9A28.C43
Gene No.	52012	Strand	-
Start	1	End	4718
Name	OJ990414_01.9A28.C43.o2.np	Method	AAT/NAP
Start	3842	End	4718
GI	563235	Score	36
Exons	3842..3960, 4670..4718		
GI Descrip.	(U15964) xyloglucan endo-transglycosylase homolog; similar to Triticum aestivum endo-xyloglucan transferase, PIR Accession Number E49539 [Zea mays] gi|563927 (U15781) xyloglucan endo-transglycosylase homolog [Zea mays] gi|1097378|prf||2113418A xyloglucan endotransglycosylase homolog [Zea mays]		

Seq. No.	25065	Seq. ID	OJ990414_01.9A28.C44
Gene No.	52013	Strand	+
Start	94	End	654
Name	OJ990414_01.9A28.C44.o1.gs	Method	GENSCAN
Start	94	End	654
GI	none	Score	.68
Exons	94..179, 574..654		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52014	Strand	+
Start	3555	End	9921
Name	OJ990414_01.9A28.C45.o1.gs	Method	GENSCAN
Start	3555	End	9921
GI	none	Score	.74
Exons	3555..3682, 5015..5140, 5812..5893, 6412..6552, 7459..7572, 7848..7939, 8265..8406, 8545..8642, 8725..8854, 9069..9213, 9492..9663, 9871..9921		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52014	Strand	+
Start	3555	End	9921
Name	OJ990414_01.9A28.C45.o3.gp	Method	AAT/GAP
Start	4960	End	6535
GI	1631921	Score	813
Exons	4960..5140, 5450..5610, 6428..6535		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52014	Strand	+
Start	3555	End	9921
Name	OJ990414_01.9A28.C45.o1.np	Method	AAT/NAP
Start	5571	End	9737
GI	4587518	Score	1388
Exons	5571..5619, 6416..6552, 7459..7572, 7656..7763, 7848..7939, 8265..8406, 8545..8642, 8725..8854, 9069..9213, 9492..9737		
GI Descrip.	(AC007060) Strong similarity to F19I3.8 gi|3033381 putative UDP-galactose-4-epimerase from Arabidopsis thaliana BAC gb|AC004238 and is a member of PF|01370 the NAD dependent epimerase/dehydratase family. EST gb|AA59...		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52014	Strand	+
Start	3555	End	9921
Name	OJ990414_01.9A28.C45.o4.gp	Method	AAT/GAP
Start	7817	End	8877
GI	29591_1.R1084	Score	876
Exons	7817..7939, 8265..8406, 8545..8642, 8725..8877		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52015	Strand	-
Start	3444	End	3501
Name	OJ990414_01.9A28.C45.o1.gp	Method	AAT/GAP
Start	3444	End	3501
GI	2312838	Score	68
Exons	3444..3501		

GI Descrip. 1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o2.tm	Method	TBLASTX:Maize
Start	6418	End	8874
GI	none	Score	126
Exons	6418..6552, 6426..6551, 7448..7528, 7459..7572, 7459..7572, 7521..7577, 7655..7765, 7656..7769, 7847..7942, 7848..7940, 8262..8405, 8262..8399, 8263..8406, 8533..8640, 8547..8618, 8605..8646, 8720..8857, 8722..8856, 8725..8874		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o1.tw	Method	TBLASTX:Wheat
Start	6502	End	7738
GI	none	Score	62
Exons	6502..6555, 7477..7593, 7501..7575, 7653..7736, 7655..7738		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o1.ts	Method	TBLASTX:Soybean
Start	7501	End	9851
GI	none	Score	115
Exons	7501..7572, 7521..7577, 7655..7753, 7656..7769, 7847..7942, 7848..7940, 8262..8399, 8263..8406, 8266..8409, 8529..8603, 8533..8619, 8623..8646, 8720..8857, 8722..8856, 9063..9233, 9066..9215, 9490..9687, 9491..9709, 9504..9701, 9825..9851		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o2.tc	Method	TBLASTX:Cress
Start	7692	End	8343
GI	none	Score	118
Exons	7692..7781, 7700..7765, 7847..7942, 7848..7940, 8262..8339, 8263..8343		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o2.tw	Method	TBLASTX:Wheat
Start	7847	End	8646
GI	none	Score	152
Exons	7847..7942, 7848..7940, 8248..8394, 8262..8387, 8262..8399, 8263..8406, 8542..8619, 8544..8618, 8614..8646		

Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o1.tc	Method	TBLASTX:Cress
Start	8347	End	9224
GI	none	Score	90

Exons	8347..8406, 8541..8609, 8542..8610, 8619..8645, 8620..8646, 8720..8857, 8722..8856, 9050..9175, 9051..9224, 9066..9209		
Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o1.tm	Method	TBLASTX:Maize
Start	9070	End	9895
GI	none	Score	133
Exons	9070..9222, 9075..9215, 9076..9222, 9078..9233, 9475..9801, 9489..9806, 9490..9741, 9491..9832, 9491..9799, 9827..9895		
Seq. No.	25066	Seq. ID	OJ990414_01.9A28.C45
Gene No.	52016	Strand	-
Start	9573	End	10015
Name	OJ990414_01.9A28.C45.o5.gp	Method	AAT/GAP
Start	9573	End	10015
GI	55796_1.R1084	Score	878
Exons	9573..10015		
GI Descrip.	'5852089/emb|CAB55396.1| 1.0e-15 (AL117264) zwh12.1 [Oryza sativa]'		
Seq. No.	25067	Seq. ID	OJ990414_01.9A28.C46
Gene No.	52017	Strand	+
Start	2454	End	4084
Name	OJ990414_01.9A28.C46.o1.gp	Method	AAT/GAP
Start	2454	End	4084
GI	425916	Score	712
Exons	2454..2537, 3803..4084		
GI Descrip.	2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein		
Seq. No.	25067	Seq. ID	OJ990414_01.9A28.C46
Gene No.	52018	Strand	-
Start	2580	End	2830
Name	OJ990414_01.9A28.C46.o2.gs	Method	GENSCAN
Start	2580	End	2830
GI	none	Score	.48
Exons	2580..2633, 2771..2830		
Seq. No.	25068	Seq. ID	OJ990414_01.9A28.C48
Gene No.	52019	Strand	+
Start	1	End	526
Name	OJ990414_01.9A28.C48.o1.gp	Method	AAT/GAP
Start	1	End	526
GI	851_1.R1084	Score	990
Exons	1..526		
GI Descrip.	'4096173 2.0e-93 (U25968) early embryogenesis protein [Oryza sativa]'		
Seq. No.	25068	Seq. ID	OJ990414_01.9A28.C48
Gene No.	52019	Strand	+
Start	1	End	526
Name	OJ990414_01.9A28.C48.o1.np	Method	AAT/NAP
Start	1	End	314
GI	4096173	Score	437
Exons	1..314		

GI Descrip. (U25968) early embryogenesis protein [Oryza sativa]

Seq. No.	25068	Seq. ID	OJ990414_01.9A28.C48
Gene No.	52019	Strand	+
Start	1	End	526
Name	OJ990414_01.9A28.C48.o1.gs	Method	GENSCAN
Start	126	End	317
GI	none	Score	.95
Exons	126..317		

Seq. No.	25068	Seq. ID	OJ990414_01.9A28.C48
Gene No.	52020	Strand	-
Start	881	End	1139
Name	OJ990414_01.9A28.C48.o2.gs	Method	GENSCAN
Start	881	End	1139
GI	none	Score	.65
Exons	881..900, 1088..1139		

Seq. No.	25069	Seq. ID	OJ990414_01.9A28.C49
Gene No.	52021	Strand	+
Start	504	End	2524
Name	OJ990414_01.9A28.C49.o1.gs	Method	GENSCAN
Start	504	End	2519
GI	none	Score	.93
Exons	504..656, 720..929, 1025..1254, 1570..1740, 1876..1981, 2313..2519		

Seq. No.	25069	Seq. ID	OJ990414_01.9A28.C49
Gene No.	52021	Strand	+
Start	504	End	2524
Name	OJ990414_01.9A28.C49.o1.tm	Method	TBLASTX:Maize
Start	762	End	1702
GI	none	Score	168
Exons	762..932, 791..931, 996..1112, 1024..1260, 1025..1261, 1567..1695, 1567..1701, 1568..1702, 1586..1702		

Seq. No.	25069	Seq. ID	OJ990414_01.9A28.C49
Gene No.	52021	Strand	+
Start	504	End	2524
Name	OJ990414_01.9A28.C49.o1.ts	Method	TBLASTX:Soybean
Start	1021	End	1225
GI	none	Score	243
Exons	1021..1224, 1022..1225		

Seq. No.	25069	Seq. ID	OJ990414_01.9A28.C49
Gene No.	52021	Strand	+
Start	504	End	2524
Name	OJ990414_01.9A28.C49.o2.tm	Method	TBLASTX:Maize
Start	2310	End	2524
GI	none	Score	272
Exons	2310..2519, 2310..2519, 2312..2524		

Seq. No.	25069	Seq. ID	OJ990414_01.9A28.C49
Gene No.	52021	Strand	+
Start	504	End	2524
Name	OJ990414_01.9A28.C49.o2.ts	Method	TBLASTX:Soybean
Start	2343	End	2524

GI	none	Score	189
Exons	2343..2519, 2354..2524		

Seq. No.	25070	Seq. ID	OJ990414_01.9A28.C50
Gene No.	52022	Strand	+
Start	127	End	428
Name	OJ990414_01.9A28.C50.o1.gs	Method	GENSCAN
Start	127	End	428
GI	none	Score	.9
Exons	127..171, 264..428		

Seq. No.	25070	Seq. ID	OJ990414_01.9A28.C50
Gene No.	52023	Strand	-
Start	1820	End	2601
Name	OJ990414_01.9A28.C50.o1.ts	Method	TBLASTX:Soybean
Start	90	End	398
GI	none	Score	111
Exons	90..176, 91..171, 257..397, 266..397, 267..398		

Seq. No.	25070	Seq. ID	OJ990414_01.9A28.C50
Gene No.	52023	Strand	-
Start	1820	End	2601
Name	OJ990414_01.9A28.C50.o1.tm	Method	TBLASTX:Maize
Start	99	End	430
GI	none	Score	107
Exons	99..176, 100..171, 257..358, 266..430, 267..416		

Seq. No.	25070	Seq. ID	OJ990414_01.9A28.C50
Gene No.	52023	Strand	-
Start	1820	End	2601
Name	OJ990414_01.9A28.C50.o1.tc	Method	TBLASTX:Cress
Start	263	End	427
GI	none	Score	236
Exons	263..427, 264..416		

Seq. No.	25070	Seq. ID	OJ990414_01.9A28.C50
Gene No.	52023	Strand	-
Start	1820	End	2601
Name	OJ990414_01.9A28.C50.o2.gs	Method	GENSCAN
Start	1820	End	2601
GI	none	Score	.48
Exons	1820..1992, 2586..2601		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52024	Strand	+
Start	1	End	2190
Name	OJ990414_01.9A28.C51.o1.np	Method	AAT/NAP
Start	1	End	2141
GI	6382526	Score	673
Exons	1..30, 973..1389, 1480..1792, 2002..2141		
GI Descrip.	(AC011020) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52024	Strand	+
Start	1	End	2190
Name	OJ990414_01.9A28.C51.o1.gs	Method	GENSCAN
Start	1090	End	2174

GI	none	Score	.72
Exons	1090..1389, 1480..1792, 2002..2174		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52024	Strand	+
Start	1	End	2190
Name	OJ990414_01.9A28.C51.o1.gp	Method	AAT/GAP
Start	1463	End	2190
GI	uC-osf1M202052d02b1	Score	956
Exons	1463..1792, 2002..2190		
GI Descrip.	'2832677/emb|CAA16777.1| 3.0e-10 (AL021712) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o1.tm	Method	TBLASTX:Maize
Start	945	End	1359
GI	none	Score	125
Exons	945..1031, 955..1050, 958..1056, 1047..1241, 1050..1349, 1054..1359, 1057..1338, 1287..1358		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o2.tm	Method	TBLASTX:Maize
Start	1360	End	1737
GI	none	Score	74
Exons	1360..1458, 1362..1391, 1483..1728, 1493..1729, 1515..1733, 1516..1737		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o1.ts	Method	TBLASTX:Soybean
Start	3169	End	4540
GI	none	Score	64
Exons	3169..3258, 3171..3242, 3175..3252, 3176..3265, 3443..3535, 3447..3533, 3673..3801, 3674..3799, 3849..3986, 3853..3984, 4451..4540, 4456..4533		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o2.gs	Method	GENSCAN
Start	3172	End	4578
GI	none	Score	.99
Exons	3172..3252, 3673..3798, 4459..4578		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o2.np	Method	AAT/NAP
Start	3175	End	4982
GI	4850401	Score	562
Exons	3175..3252, 3440..3538, 3673..3798, 3873..3983, 4459..4601, 4941..4982		

GI Descrip. (AC007357) Strong similarity to gb|U29610 Actin-like protein (Arp3) from Acanthamoeba castellanii and is a member of the PF|00022 Actin family. [Arabidopsis thaliana]

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o1.tw	Method	TBLASTX:Wheat
Start	3428	End	3911
GI	none	Score	108
Exons	3428..3535, 3441..3533, 3674..3799, 3691..3801, 3849..3911, 3861..3902		

Seq. No.	25071	Seq. ID	OJ990414_01.9A28.C51
Gene No.	52025	Strand	-
Start	3172	End	4982
Name	OJ990414_01.9A28.C51.o3.tm	Method	TBLASTX:Maize
Start	3706	End	4580
GI	none	Score	129
Exons	3706..3798, 3707..3799, 3708..3800, 3849..3986, 3874..3984, 3876..3986, 4423..4554, 4451..4579, 4455..4580, 4456..4533, 4460:.4579		

Seq. No.	25072	Seq. ID	OJ990414_01.9A28.C52
Gene No.	52026	Strand	-
Start	1	End	1496
Name	OJ990414_01.9A28.C52.o1.np	Method	AAT/NAP
Start	1	End	1496
GI	4850401	Score	219
Exons	1..101, 408..505, 772..1041, 1470..1496		
GI Descrip.	(AC007357) Strong similarity to gb|U29610 Actin-like protein (Arp3) from Acanthamoeba castellanii and is a member of the PF|00022 Actin family. [Arabidopsis thaliana]		

Seq. No.	25072	Seq. ID	OJ990414_01.9A28.C52
Gene No.	52026	Strand	-
Start	1	End	1496
Name	OJ990414_01.9A28.C52.o1.gs	Method	GENSCAN
Start	413	End	912
GI	none	Score	.7
Exons	413..505, 772..912		

Seq. No.	25073	Seq. ID	OJ990414_01.9A28.C53
Gene No.	52027	Strand	-
Start	26	End	84
Name	OJ990414_01.9A28.C53.o1.gs	Method	GENSCAN
Start	26	End	84
GI	none	Score	.57
Exons	26..84		

Seq. No.	25074	Seq. ID	OJ990414_01.9A28.C54
Gene No.	52028	Strand	+
Start	272	End	508
Name	OJ990414_01.9A28.C54.o1.gp	Method	AAT/GAP
Start	272	End	508
GI	54450_1.R1084	Score	385
Exons	272..508		

GI Descrip. '4006865/emb|CAB16783.1| 3.0e-42 (Z99707) putative protein [Arabidopsis thaliana]'

Seq. No.	25074	Seq. ID	OJ990414_01.9A28.C54
Gene No.	52029	Strand	-
Start	1	End	554
Name	OJ990414_01.9A28.C54.o1.np	Method	AAT/NAP
Start	1	End	554
GI	4006865	Score	281
Exons	1..31, 277..554		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	25074	Seq. ID	OJ990414_01.9A28.C54
Gene No.	52029	Strand	-
Start	1	End	554
Name	OJ990414_01.9A28.C54.o1.tc	Method	TBLASTX:Cress
Start	265	End	497
GI	none	Score	93
Exons	265..477, 278..496, 285..497		

Seq. No.	25074	Seq. ID	OJ990414_01.9A28.C54
Gene No.	52029	Strand	-
Start	1	End	554
Name	OJ990414_01.9A28.C54.o1.tm	Method	TBLASTX:Maize
Start	269	End	497
GI	none	Score	177
Exons	269..496, 278..496, 279..497		

Seq. No.	25074	Seq. ID	OJ990414_01.9A28.C54
Gene No.	52029	Strand	-
Start	1	End	554
Name	OJ990414_01.9A28.C54.o1.ts	Method	TBLASTX:Soybean
Start	270	End	496
GI	none	Score	284
Exons	270..494, 281..496, 282..494		

Seq. No.	25074	Seq. ID	OJ990414_01.9A28.C54
Gene No.	52029	Strand	-
Start	1	End	554
Name	OJ990414_01.9A28.C54.o1.gs	Method	GENSCAN
Start	277	End	493
GI	none	Score	.91
Exons	277..493		

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o1.np	Method	AAT/NAP
Start	1	End	706
GI	4850401	Score	509
Exons	1..337, 429..706		
GI Descrip.	(AC007357) Strong similarity to gb|U29610 Actin-like protein (Arp3) from Acanthamoeba castellanii and is a member of the PF|00022 Actin family. [Arabidopsis thaliana]		

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-

Start	1	End	706
Name	OJ990414_01.9A28.C55.o1.gs	Method	GENSCAN
Start	83	End	604
GI	none	Score	.72
Exons	83..337, 429..604		

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o1.tw	Method	TBLASTX:Wheat
Start	101	End	467
GI	none	Score	51
Exons	101..337, 143..331, 165..338, 432..467		

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o2.ts	Method	TBLASTX:Soybean
Start	113	End	271
GI	none	Score	137
Exons	113..271, 129..269		

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o1.tm	Method	TBLASTX:Maize
Start	129	End	491
GI	none	Score	191
Exons	129..257, 129..251, 131..271, 253..339, 376..486, 422..490,	251..340, 252..338, 252..344, 427..489, 432..491	

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o1.tc	Method	TBLASTX:Cress
Start	131	End	538
GI	none	Score	87
Exons	131..337, 138..374, 432..467,	482..538, 509..529	

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o1.ts	Method	TBLASTX:Soybean
Start	302	End	662
GI	none	Score	169
Exons	302..340, 432..662, 469..660		

Seq. No.	25075	Seq. ID	OJ990414_01.9A28.C55
Gene No.	52030	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C55.o2.tm	Method	TBLASTX:Maize
Start	492	End	663
GI	none	Score	225
Exons	492..662, 493..663, 499..663		

Seq. No.	25076	Seq. ID	OJ990414_01.9A28.C56
Gene No.	52031	Strand	+

Start	425	End	607
Name	OJ990414_01.9A28.C56.o1.gs	Method	GENSCAN
Start	425	End	607
GI	none	Score	.77
Exons	425..607		

Seq. No.	25077	Seq. ID	OJ990414_01.9A28.C60
Gene No.	52032	Strand	-
Start	1098	End	1291
Name	OJ990414_01.9A28.C60.o1.gp	Method	AAT/GAP
Start	1098	End	1291
GI	18072_1.R1084	Score	336
Exons	1098..1291		
GI Descrip.	'2645165/dbj|D50573|D50573 4.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	25078	Seq. ID	OJ990414_01.9A28.C61
Gene No.	52033	Strand	+
Start	1	End	407
Name	OJ990414_01.9A28.C61.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6539559	Score	51
Exons	1..46, 275..407		
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.np	Method	AAT/NAP
Start	1	End	706
GI	3033381	Score	249
Exons	1..64, 132..233, 372..513, 680..706		
GI Descrip.	(AC004238) putative UDP-galactose-4-epimerase [Arabidopsis thaliana]		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.gp	Method	AAT/GAP
Start	132	End	513
GI	29591_1.R1084	Score	423
Exons	132..233, 372..513		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.tw	Method	TBLASTX:Wheat
Start	132	End	530
GI	none	Score	77
Exons	132..164, 159..236, 160..234, 372..515, 379..516, 384..530, 391..516		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.tm	Method	TBLASTX:Maize
Start	132	End	516
GI	none	Score	39
Exons	132..158, 133..159, 162..236, 169..234, 372..515, 372..515, 379..516		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.ts	Method	TBLASTX:Soybean
Start	132	End	516
GI	none	Score	82
Exons	132..155, 159..245, 175..249, 369..512, 372..515, 379..516		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.gs	Method	GENSCAN
Start	136	End	467
GI	none	Score	.81
Exons	136..233, 372..467		

Seq. No.	25079	Seq. ID	OJ990414_01.9A28.C63
Gene No.	52034	Strand	-
Start	1	End	706
Name	OJ990414_01.9A28.C63.o1.tc	Method	TBLASTX:Cress
Start	201	End	520
GI	none	Score	37
Exons	201..236, 202..231, 369..515, 370..516, 446..520		

Seq. No.	25080	Seq. ID	OJ990414_01.9A28.C69
Gene No.	52035	Strand	
Start	3	End	131
Name	OJ990414_01.9A28.C69.o1.tm	Method	TBLASTX:Maize
Start	3	End	131
GI	none	Score	135
Exons	3..131, 5..130		

Seq. No.	25081	Seq. ID	OJ990414_01.9A28.C74
Gene No.	52036	Strand	+
Start	270	End	3939
Name	OJ990414_01.9A28.C74.o1.gs	Method	GENSCAN
Start	270	End	3916
GI	none	Score	.81
Exons	270..904, 1039..1100, 2366..2496, 3284..3916		

Seq. No.	25081	Seq. ID	OJ990414_01.9A28.C74
Gene No.	52036	Strand	+
Start	270	End	3939
Name	OJ990414_01.9A28.C74.o1.np	Method	AAT/NAP
Start	711	End	3928
GI	6714274	Score	355
Exons	711..770, 843..904, 1039..1100, 2930..3020, 3102..3187, 3270..3928		

GI Descrip. (AC017118) F6N18.11 [Arabidopsis thaliana]

Seq. No.	25081	Seq. ID	OJ990414_01.9A28.C74
Gene No.	52036	Strand	+
Start	270	End	3939
Name	OJ990414_01.9A28.C74.o1.tm	Method	TBLASTX:Maize
Start	761	End	3939
GI	none	Score	153
Exons	761..796, 816..914, 828..905, 1031..1057, 1037..1099, 1038..1100, 2922..2981, 2929..3006, 2930..2995, 3105..3185, 3105..3191, 3109..3192, 3281..3409, 3282..3413, 3283..3387, 3349..3567, 3418..3465, 3454..3612, 3465..3629, 3467..3598, 3650..3787, 3655..3780, 3805..3939		

Seq. No.	25082	Seq. ID	OJ990414_01.9A28.C75
Gene No.	52037	Strand	-
Start	1	End	731
Name	OJ990414_01.9A28.C75.o1.np	Method	AAT/NAP
Start	1	End	731
GI	6862923	Score	235
Exons	1..48, 411..731		

GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No.	25082	Seq. ID	OJ990414_01.9A28.C75
Gene No.	52037	Strand	-
Start	1	End	731
Name	OJ990414_01.9A28.C75.o1.gs	Method	GENSCAN
Start	360	End	728
GI	none	Score	.74
Exons	360..728		

Seq. No.	25082	Seq. ID	OJ990414_01.9A28.C75
Gene No.	52037	Strand	-
Start	1	End	731
Name	OJ990414_01.9A28.C75.o1.tm	Method	TBLASTX:Maize
Start	414	End	689
GI	none	Score	66
Exons	414..689, 477..662		

Seq. No.	25082	Seq. ID	OJ990414_01.9A28.C75
Gene No.	52037	Strand	-
Start	1	End	731
Name	OJ990414_01.9A28.C75.o1.ts	Method	TBLASTX:Soybean
Start	414	End	689
GI	none	Score	68
Exons	414..689, 415..561, 655..681		

Seq. No.	25082	Seq. ID	OJ990414_01.9A28.C75
Gene No.	52037	Strand	-
Start	1	End	731
Name	OJ990414_01.9A28.C75.o1.tc	Method	TBLASTX:Cress
Start	432	End	692
GI	none	Score	54
Exons	432..692, 436..561, 655..690		

Seq. No.	25082	Seq. ID	OJ990414_01.9A28.C75
Gene No.	52037	Strand	-

Start	1	End	731
Name	OJ990414_01.9A28.C75.o1.tw	Method	TBLASTX:Wheat
Start	516	End	677
GI	none	Score	169
Exons	516..677		

Seq. No.	25083	Seq. ID	OJ990414_01.9A28.C76
Gene No.	52038	Strand	+
Start	1	End	428
Name	OJ990414_01.9A28.C76.o1.gp	Method	AAT/GAP
Start	1	End	428
GI	none	Score	805
Exons	1..428		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52039	Strand	+
Start	1426	End	2028
Name	OJ990414_01.9A28.C78.o1.gp	Method	AAT/GAP
Start	1426	End	2028
GI	none	Score	607
Exons	1426..1661, 1744..1864, 1956..2028		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52040	Strand	-
Start	1	End	1658
Name	OJ990414_01.9A28.C78.o1.np	Method	AAT/NAP
Start	1	End	766
GI	6006867	Score	248
Exons	1..766		
GI Descrip.	(AC009540) unknown protein [Arabidopsis thaliana]		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52040	Strand	-
Start	1	End	1658
Name	OJ990414_01.9A28.C78.o1.gs	Method	GENSCAN
Start	41	End	1658
GI	none	Score	.58
Exons	41..711, 1514..1658		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52041	Strand	-
Start	4334	End	4857
Name	OJ990414_01.9A28.C78.o1.tm	Method	TBLASTX:Maize
Start	2	End	4783
GI	none	Score	82
Exons	2..109, 6..110, 499..633, 4289..4543, 4413..4592, 4583..4783, 4668..4763		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52041	Strand	-
Start	4334	End	4857
Name	OJ990414_01.9A28.C78.o1.ts	Method	TBLASTX:Soybean
Start	2	End	4783
GI	none	Score	97
Exons	2..118, 6..116, 4365..4412, 4412..4543, 4413..4592, 4583..4783, 4668..4760		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52041	Strand	-
Start	4334	End	4857
Name	OJ990414_01.9A28.C78.o2.np	Method	AAT/NAP
Start	3705	End	4857
GI	4680341	Score	305
Exons	3705..3797, 4360..4857		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	25084	Seq. ID	OJ990414_01.9A28.C78
Gene No.	52041	Strand	-
Start	4334	End	4857
Name	OJ990414_01.9A28.C78.o2.gs	Method	GENSCAN
Start	4334	End	4814
GI	none	Score	.88
Exons	4334..4814		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52042	Strand	-
Start	74	End	388
Name	OJ990414_01.9A28.C79.o1.gs	Method	GENSCAN
Start	74	End	388
GI	none	Score	.88
Exons	74..388		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52043	Strand	-
Start	1751	End	2653
Name	OJ990414_01.9A28.C79.o2.gs	Method	GENSCAN
Start	1751	End	2653
GI	none	Score	1
Exons	1751..2653		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52044	Strand	-
Start	3980	End	5105
Name	OJ990414_01.9A28.C79.o1.tm	Method	TBLASTX:Maize
Start	194	End	5074
GI	none	Score	89
Exons	194..313, 1772..1864, 1901..1975, 2060..2128, 2213..2311, 2483..2560, 4205..4270, 4292..4399, 4400..4573, 4404..4529, 4640..4696, 4922..5074		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52044	Strand	-
Start	3980	End	5105
Name	OJ990414_01.9A28.C79.o1.ts	Method	TBLASTX:Soybean
Start	1772	End	4696
GI	none	Score	90
Exons	1772..1864, 1913..1975, 2060..2170, 2207..2305, 3995..4270, 4008..4262, 4292..4399, 4382..4573, 4398..4520, 4640..4696		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52044	Strand	-
Start	3980	End	5105
Name	OJ990414_01.9A28.C79.o3.gs	Method	GENSCAN
Start	3980	End	5092

GI	none	Score	.67
Exons	3980..4907, 4980..5092		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52044	Strand	-
Start	3980	End	5105
Name	OJ990414_01.9A28.C79.o2.np	Method	AAT/NAP
Start	3995	End	5081
GI	4680501	Score	341
Exons	3995..4567, 4604..5081		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	25085	Seq. ID	OJ990414_01.9A28.C79
Gene No.	52044	Strand	-
Start	3980	End	5105
Name	OJ990414_01.9A28.C79.o3.np	Method	AAT/NAP
Start	4014	End	5105
GI	2642158	Score	407
Exons	4014..4567, 4605..5105		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25086	Seq. ID	OJ990414_01.9A28.C82
Gene No.	52045	Strand	-
Start	2153	End	2440
Name	OJ990414_01.9A28.C82.o1.gs	Method	GENSCAN
Start	2153	End	2440
GI	none	Score	.57
Exons	2153..2440		

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52046	Strand	+
Start	501	End	688
Name	OJ990414_01.9A28.C83.o1.gs	Method	GENSCAN
Start	501	End	688
GI	none	Score	.84
Exons	501..688		

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52047	Strand	+
Start	2018	End	3365
Name	OJ990414_01.9A28.C83.o2.gs	Method	GENSCAN
Start	2018	End	3365
GI	none	Score	.84
Exons	2018..2195, 2358..2426, 2652..2830, 3252..3365		

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52048	Strand	-
Start	146	End	2173
Name	OJ990414_01.9A28.C83.o1.gp	Method	AAT/GAP
Start	146	End	2147
GI	67922_1.R1084	Score	675
Exons	146..363, 471..572, 2035..2147		
GI Descrip.	'1350736/sp|P49212|RL37_LYCES 2.0e-21 60S RIBOSOMAL PROTEIN L37 >gi_629673_pir__S44313 ribosomal protein L37 - tomato >gi_483586_emb_CAA55674_ (X79074) ribosomal protein L37 [Lycopersicon esculentum]'		

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52048	Strand	-
Start	146	End	2173
Name	OJ990414_01.9A28.C83.o1.np	Method	AAT/NAP
Start	320	End	2173
GI	2500378	Score	350
Exons	320..363, 471..572, 2035..2173		
GI Descrip.	60S RIBOSOMAL PROTEIN L37		

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52049	Strand	-
Start	3060	End	3984
Name	OJ990414_01.9A28.C83.o1.tm	Method	TBLASTX:Maize
Start	317	End	2180
GI	none	Score	51
Exons	317..364, 321..365, 469..570, 2031..2180, 2036..2179	470..571, 471..581, 472..573,	

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52049	Strand	-
Start	3060	End	3984
Name	OJ990414_01.9A28.C83.o1.tc	Method	TBLASTX:Cress
Start	323	End	2176
GI	none	Score	41
Exons	323..364, 333..365, 469..570,	470..571, 2031..2171, 2039..2176	

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52049	Strand	-
Start	3060	End	3984
Name	OJ990414_01.9A28.C83.o1.ts	Method	TBLASTX:Soybean
Start	323	End	2176
GI	none	Score	41
Exons	323..364, 327..365, 465..569, 2036..2176	469..573, 469..570, 2031..2171,	

Seq. No.	25087	Seq. ID	OJ990414_01.9A28.C83
Gene No.	52049	Strand	-
Start	3060	End	3984
Name	OJ990414_01.9A28.C83.o2.np	Method	AAT/NAP
Start	3060	End	3984
GI	6721512	Score	83
Exons	3060..3162, 3190..3316, 3954..3984		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25088	Seq. ID	OJ990414_01.9A28.C88
Gene No.	52050	Strand	+
Start	307	End	526
Name	OJ990414_01.9A28.C88.o1.ts	Method	TBLASTX:Soybean
Start	276	End	478
GI	none	Score	195
Exons	276..476, 278..478		

Seq. No.	25088	Seq. ID	OJ990414_01.9A28.C88
Gene No.	52050	Strand	+
Start	307	End	526
Name	OJ990414_01.9A28.C88.o1.gs	Method	GENSCAN
Start	307	End	491

GI	none	Score	.85
Exons	307..491		

Seq. No.	25088	Seq. ID	OJ990414_01.9A28.C88
Gene No.	52050	Strand	+
Start	307	End	526
Name	OJ990414_01.9A28.C88.o1.np	Method	AAT/NAP
Start	307	End	526
GI	3152584	Score	136
Exons	307..526		
GI Descrip.	(AC002986) YUP8H12R.31 [Arabidopsis thaliana]		

Seq. No.	25089	Seq. ID	OJ990604_09.9A27.C1
Gene No.	52051	Strand	+
Start	1	End	731
Name	OJ990604_09.9A27.C1.o1.np	Method	AAT/NAP
Start	1	End	731
GI	6907086	Score	201
Exons	1..92, 152..731		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25089	Seq. ID	OJ990604_09.9A27.C1
Gene No.	52051	Strand	+
Start	1	End	731
Name	OJ990604_09.9A27.C1.o1.gs	Method	GENSCAN
Start	215	End	329
GI	none	Score	.58
Exons	215..329		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o1.np	Method	AAT/NAP
Start	1	End	527
GI	3367537	Score	430
Exons	1..527		
GI Descrip.	(AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi|485107 from Caenorhabditis elegans cosmid gb|U00049. This gene is continued from unannotated gene on BAC F19K23 gb|AC000375. [Arabid...		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o1.tm	Method	TBLASTX:Maize
Start	54	End	342
GI	none	Score	317
Exons	54..341, 55..342		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o1.ts	Method	TBLASTX:Soybean
Start	54	End	399
GI	none	Score	112
Exons	54..191, 55..168, 189..398, 207..398, 217..399		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o1.tw	Method	TBLASTX:Wheat
Start	55	End	301
GI	none	Score	257
Exons	55..294, 57..293, 125..301		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o1.tc	Method	TBLASTX:Cress
Start	63	End	470
GI	none	Score	65
Exons	63..164, 64..165, 201..470, 250..459		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o1.gs	Method	GENSCAN
Start	69	End	458
GI	none	Score	.49
Exons	69..458		

Seq. No.	25090	Seq. ID	OJ990604_09.9A27.C2
Gene No.	52052	Strand	-
Start	1	End	527
Name	OJ990604_09.9A27.C2.o2.tm	Method	TBLASTX:Maize
Start	348	End	527
GI	none	Score	268
Exons	348..527, 349..525, 351..527		

Seq. No.	25091	Seq. ID	OJ990604_09.9A27.C4
Gene No.	52053	Strand	-
Start	438	End	527
Name	OJ990604_09.9A27.C4.o1.gs	Method	GENSCAN
Start	438	End	527
GI	none	Score	.4
Exons	438..527		

Seq. No.	25092	Seq. ID	OJ990604_09.9A27.C5
Gene No.	52054	Strand	+
Start	215	End	603
Name	OJ990604_09.9A27.C5.o1.np	Method	AAT/NAP
Start	215	End	603
GI	5441880	Score	414
Exons	215..603		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25093	Seq. ID	OJ990604_09.9A27.C6
Gene No.	52055	Strand	+
Start	267	End	539
Name	OJ990604_09.9A27.C6.o1.gp	Method	AAT/GAP
Start	267	End	539
GI	568625	Score	490

Exons	267..539		
Seq. No.	25093	Seq. ID	OJ990604_09.9A27.C6
Gene No.	52056	Strand	-
Start	110	End	285
Name	OJ990604_09.9A27.C6.o1.gs	Method	GENSCAN
Start	110	End	285
GI	none	Score	.81
Exons	110..285		
Seq. No.	25094	Seq. ID	OJ990604_09.9A27.C7
Gene No.	52057	Strand	-
Start	478	End	678
Name	OJ990604_09.9A27.C7.o1.gs	Method	GENSCAN
Start	478	End	678
GI	none	Score	.72
Exons	478..678		
Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52058	Strand	+
Start	110	End	3036
Name	OJ990604_09.9A27.C8.o1.gs	Method	GENSCAN
Start	110	End	2726
GI	none	Score	.65
Exons	110..285, 471..836, 955..999, 2653..2726		
Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52058	Strand	+
Start	110	End	3036
Name	OJ990604_09.9A27.C8.o2.gp	Method	AAT/GAP
Start	2520	End	3036
GI	38782_1.R1084	Score	814
Exons	2520..3036		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52059	Strand	-
Start	1	End	1080
Name	OJ990604_09.9A27.C8.o1.np	Method	AAT/NAP
Start	1	End	1080
GI	6907086	Score	1039
Exons	1..276, 336..1080		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52060	Strand	-
Start	1166	End	1360
Name	OJ990604_09.9A27.C8.o1.gp	Method	AAT/GAP
Start	1166	End	1360
GI	5667165	Score	327
Exons	1166..1360		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52061	Strand	-

Start	1336	End	4978
Name	OJ990604_09.9A27.C8.o2.np	Method	AAT/NAP
Start	1336	End	4978
GI	4680186	Score	200
Exons	1336..1361, 1815..2213, 2715..2793, 4871..4978		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52061	Strand	-
Start	1336	End	4978
Name	OJ990604_09.9A27.C8.o2.gs	Method	GENSCAN
Start	3981	End	4190
GI	none	Score	.86
Exons	3981..4190		

Seq. No.	25095	Seq. ID	OJ990604_09.9A27.C8
Gene No.	52061	Strand	-
Start	1336	End	4978
Name	OJ990604_09.9A27.C8.o3.gp	Method	AAT/GAP
Start	4502	End	4707
GI	3766626	Score	267
Exons	4502..4707		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52062	Strand	+
Start	3683	End	6406
Name	OJ990604_09.9A27.C9.o2.gs	Method	GENSCAN
Start	3683	End	6406
GI	none	Score	.76
Exons	3683..4210, 4224..4608, 4934..5101, 5214..6406		

Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52062	Strand	+
Start	3683	End	6406
Name	OJ990604_09.9A27.C9.o1.np	Method	AAT/NAP
Start	3701	End	6385
GI	3355308	Score	1027
Exons	3701..4050, 4093..4608, 4934..5085, 5192..6385		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52063	Strand	-
Start	8323	End	8389
Name	OJ990604_09.9A27.C9.o1.tc	Method	TBLASTX:Cress
Start	3722	End	6253
GI	none	Score	87
Exons	3722..3847, 4335..4451, 4520..4600, 4521..4604, 5306..5347, 5387..6253, 5491..5673, 5561..5683, 5773..6096, 6184..6231		

Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52063	Strand	-
Start	8323	End	8389
Name	OJ990604_09.9A27.C9.o1.tm	Method	TBLASTX:Maize
Start	5274	End	6274
GI	none	Score	50

Exons	5274..5342, 5275..5343, 5387..6274, 5387..5497, 5488..5676, 5564..5746, 5773..6066, 6172..6273		
Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52063	Strand	-
Start	8323	End	8389
Name	OJ990604_09.9A27.C9.o1.ts	Method	TBLASTX:Soybean
Start	5306	End	6096
GI	none	Score	52
Exons	5306..5347, 5387..5527, 5510..6079, 5521..5622, 5770..6096		
Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52063	Strand	-
Start	8323	End	8389
Name	OJ990604_09.9A27.C9.o1.tw	Method	TBLASTX:Wheat
Start	5405	End	5767
GI	none	Score	383
Exons	5405..5767, 5424..5480, 5491..5703		
Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52063	Strand	-
Start	8323	End	8389
Name	OJ990604_09.9A27.C9.o2.tw	Method	TBLASTX:Wheat
Start	5768	End	6019
GI	none	Score	143
Exons	5768..5899, 5770..5898, 5900..6019, 5905..6018		
Seq. No.	25096	Seq. ID	OJ990604_09.9A27.C9
Gene No.	52063	Strand	-
Start	8323	End	8389
Name	OJ990604_09.9A27.C9.o1.gp	Method	AAT/GAP
Start	8323	End	8389
GI	LIB3431-030-P1-N1-G8	Score	82
Exons	8323..8389		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	25097	Seq. ID	OJ990604_09.9A27.C10
Gene No.	52064	Strand	-
Start	539	End	7282
Name	OJ990604_09.9A27.C10.o1.gs	Method	GENSCAN
Start	539	End	7282
GI	none	Score	.4
Exons	539..575, 758..981, 1370..1623, 1687..2056, 2324..2425, 2472..2579, 2672..2933, 3038..3336, 3417..3535, 3608..3830, 3916..4282, 4358..4431, 4916..6497, 6651..7282		
Seq. No.	25097	Seq. ID	OJ990604_09.9A27.C10
Gene No.	52064	Strand	-
Start	539	End	7282
Name	OJ990604_09.9A27.C10.o1.np	Method	AAT/NAP
Start	1673	End	7171
GI	5441880	Score	2766
Exons	1673..2121, 2677..2933, 3038..3336, 3916..4249, 4358..4497, 5099..5425, 5684..5715, 6160..7171		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	25097	Seq. ID	OJ990604_09.9A27.C10
Gene No.	52064	Strand	-
Start	539	End	7282
Name	OJ990604_09.9A27.C10.o1.gp	Method	AAT/GAP
Start	1994	End	4243
GI	LIB3433-020-P1-K1-A6	Score	744
Exons	1994..2374, 4193..4243		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25097	Seq. ID	OJ990604_09.9A27.C10
Gene No.	52064	Strand	-
Start	539	End	7282
Name	OJ990604_09.9A27.C10.o2.tw	Method	TBLASTX:Wheat
Start	3762	End	4191
GI	none	Score	108
Exons	3762..3836, 4009..4128, 4010..4129, 4127..4177, 4138..4191		

Seq. No.	25097	Seq. ID	OJ990604_09.9A27.C10
Gene No.	52064	Strand	-
Start	539	End	7282
Name	OJ990604_09.9A27.C10.o1.tw	Method	TBLASTX:Wheat
Start	5933	End	6310
GI	none	Score	69
Exons	5933..6106, 5944..6084, 6039..6107, 6131..6307, 6156..6308, 6161..6310		

Seq. No.	25097	Seq. ID	OJ990604_09.9A27.C10
Gene No.	52064	Strand	-
Start	539	End	7282
Name	OJ990604_09.9A27.C10.o1.tm	Method	TBLASTX:Maize
Start	6008	End	6604
GI	none	Score	228
Exons	6008..6079, 6126..6599, 6137..6604		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+
Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o1.gs	Method	GENSCAN
Start	1562	End	5877
GI	none	Score	.61
Exons	1562..2441, 2665..2829, 3162..4223, 5627..5877		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+
Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o1.np	Method	AAT/NAP
Start	1562	End	4357
GI	4966347	Score	932
Exons	1562..1760, 1791..2407, 2461..2509, 2665..2743, 3133..4357		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+

Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o1.tc	Method	TBLASTX:Cress
Start	1643	End	4189
GI	none	Score	98
Exons	1643..1726, 2120..2155, 2243..2353, 2458..2514, 3218..3343, 3220..3360, 3245..4189, 3439..3891, 3650..4186		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+
Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o1.tm	Method	TBLASTX:Maize
Start	3223	End	4216
GI	none	Score	90
Exons	3223..3291, 3224..3364, 3254..4216, 3337..3372, 3433..3612, 3506..3682, 3657..3929, 3664..4038, 4120..4209		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+
Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o1.ts	Method	TBLASTX:Soybean
Start	3239	End	4031
GI	none	Score	69
Exons	3239..3304, 3239..3463, 3446..4015, 3484..3903, 3702..4031, 3848..3964		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+
Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o1.tw	Method	TBLASTX:Wheat
Start	3341	End	3703
GI	none	Score	399
Exons	3341..3703, 3436..3702, 3506..3703		

Seq. No.	25098	Seq. ID	OJ990604_09.9A27.C11
Gene No.	52065	Strand	+
Start	1562	End	5877
Name	OJ990604_09.9A27.C11.o2.tw	Method	TBLASTX:Wheat
Start	3704	End	3955
GI	none	Score	135
Exons	3704..3820, 3706..3834, 3836..3955		

Seq. No.	25099	Seq. ID	OJ990604_09.9A27.C13
Gene No.	52066	Strand	+
Start	127	End	502
Name	OJ990604_09.9A27.C13.o1.np	Method	AAT/NAP
Start	127	End	494
GI	119110	Score	68
Exons	127..494		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	25099	Seq. ID	OJ990604_09.9A27.C13
Gene No.	52066	Strand	+
Start	127	End	502
Name	OJ990604_09.9A27.C13.o1.gs	Method	GENSCAN

Start	145	End	502
GI	none	Score	.6
Exons	145..290, 356..502		

Seq. No.	25100	Seq. ID	OJ990604_09.9A27.C14
Gene No.	52067	Strand	+
Start	598	End	1180
Name	OJ990604_09.9A27.C14.o1.gs	Method	GENSCAN
Start	598	End	1180
GI	none	Score	.86
Exons	598..672, 1071..1180		

Seq. No.	25101	Seq. ID	OJ990604_09.9A27.C15
Gene No.	52068	Strand	-
Start	1237	End	1364
Name	OJ990604_09.9A27.C15.o1.gs	Method	GENSCAN
Start	1237	End	1364
GI	none	Score	.86
Exons	1237..1364		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17
Gene No.	52069	Strand	+
Start	4923	End	5531
Name	OJ990604_09.9A27.C17.o2.np	Method	AAT/NAP
Start	4923	End	5531
GI	6006367	Score	59
Exons	4923..5062, 5193..5531		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17
Gene No.	52070	Strand	+
Start	5913	End	9901
Name	OJ990604_09.9A27.C17.o2.gs	Method	GENSCAN
Start	5913	End	9901
GI	none	Score	.8
Exons	5913..5915, 7059..7158, 8496..8516, 8951..9329, 9440..9524, 9818..9901		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17
Gene No.	52071	Strand	-
Start	1	End	1805
Name	OJ990604_09.9A27.C17.o1.np	Method	AAT/NAP
Start	1	End	1805
GI	4262226	Score	206
Exons	1..30, 1267..1517, 1548..1805		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17
Gene No.	52072	Strand	-
Start	9990	End	10326
Name	OJ990604_09.9A27.C17.o1.tm	Method	TBLASTX:Maize
Start	1221	End	1817
GI	none	Score	83
Exons	1221..1247, 1374..1484, 1551..1655, 1551..1643, 1665..1817, 1735..1812		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17

Gene No.	52072	Strand	-
Start	9990	End	10326
Name	OJ990604_09.9A27.C17.o1.ts	Method	TBLASTX:Soybean
Start	1224	End	1817
GI	none	Score	97
Exons	1224..1247, 1374..1409, 1530..1643, 1551..1646, 1594..1653, 1662..1817, 1669..1815		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17
Gene No.	52072	Strand	-
Start	9990	End	10326
Name	OJ990604_09.9A27.C17.o1.tc	Method	TBLASTX:Cress
Start	1554	End	1817
GI	none	Score	115
Exons	1554..1808, 1554..1817, 1717..1815		

Seq. No.	25102	Seq. ID	OJ990604_09.9A27.C17
Gene No.	52072	Strand	-
Start	9990	End	10326
Name	OJ990604_09.9A27.C17.o1.gp	Method	AAT/GAP
Start	9990	End	10326
GI	3768970	Score	587
Exons	9990..10326		

Seq. No.	25103	Seq. ID	OJ990604_09.9A27.C18
Gene No.	52073	Strand	-
Start	85	End	422
Name	OJ990604_09.9A27.C18.o1.gp	Method	AAT/GAP
Start	85	End	422
GI	3768970	Score	604
Exons	85..422		

Seq. No.	25103	Seq. ID	OJ990604_09.9A27.C18
Gene No.	52074	Strand	-
Start	751	End	1048
Name	OJ990604_09.9A27.C18.o2.gp	Method	AAT/GAP
Start	751	End	1048
GI	568625	Score	410
Exons	751..816, 858..1048		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52075	Strand	+
Start	1	End	3385
Name	OJ990604_09.9A27.C19.o1.np	Method	AAT/NAP
Start	1	End	3111
GI	3367537	Score	874
Exons	1..800, 831..1338, 2887..3111		
GI Descrip.	(AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi|485107 from Caenorhabditis elegans cosmid gb|U00049. This gene is continued from unannotated gene on BAC F19K23 gb|AC000375. [Arabid...		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52075	Strand	+
Start	1	End	3385
Name	OJ990604_09.9A27.C19.o1.gs	Method	GENSCAN
Start	94	End	3282

GI	none	Score	.97
Exons	94..1338, 2887..3282		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52075	Strand	+
Start	1	End	3385
Name	OJ990604_09.9A27.C19.o1.gp	Method	AAT/GAP
Start	597	End	1017
GI	23733_1.R1084	Score	743
Exons	597..1017		
GI Descrip.	'3367537 1.0e-10 (AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi_485107 from Caenorhabditis elegans cosmid gb_U00049. This gene is continued from unannotated gene on BAC F19K23 gb_AC000375. [Arabid'		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52075	Strand	+
Start	1	End	3385
Name	OJ990604_09.9A27.C19.o2.gp	Method	AAT/GAP
Start	2895	End	3385
GI	none	Score	904
Exons	2895..3385		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o3.ts	Method	TBLASTX:Soybean
Start	69	End	267
GI	none	Score	261
Exons	69..245, 70..267		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o3.tm	Method	TBLASTX:Maize
Start	115	End	318
GI	none	Score	340
Exons	115..318, 115..315, 117..317		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o1.tc	Method	TBLASTX:Cress
Start	196	End	603
GI	none	Score	413
Exons	196..465, 207..416, 501..602, 502..603		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o1.ts	Method	TBLASTX:Soybean
Start	267	End	677
GI	none	Score	322
Exons	267..449, 268..477, 268..459, 475..675, 498..677		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19

Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o1.tm	Method	TBLASTX:Maize
Start	324	End	918
GI	none	Score	911
Exons	324..773, 325..915, 346..918, 473..916		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o1.tw	Method	TBLASTX:Wheat
Start	365	End	621
GI	none	Score	391
Exons	365..541, 372..620, 373..621, 376..621		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o2.ts	Method	TBLASTX:Soybean
Start	742	End	3196
GI	none	Score	107
Exons	742..876, 838..915, 963..1016, 980..1027, 1162..1341, 1162..1338, 1164..1346, 2889..3080, 2933..3049, 2935..3096, 3058..3162, 3104..3196, 3106..3192		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o2.tm	Method	TBLASTX:Maize
Start	920	End	3657
GI	none	Score	124
Exons	920..1060, 928..1053, 996..1055, 1070..1276, 1135..1344, 1162..1341, 2886..3050, 2886..3236, 2896..3291, 2935..3162, 3256..3294, 3432..3458, 3433..3456, 3463..3534, 3469..3594, 3512..3547, 3573..3650, 3575..3649, 3609..3653, 3610..3657, 3610..3657		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o2.tc	Method	TBLASTX:Cress
Start	1157	End	1362
GI	none	Score	64
Exons	1157..1231, 1158..1202, 1165..1362		

Seq. No.	25104	Seq. ID	OJ990604_09.9A27.C19
Gene No.	52076	Strand	-
Start	3403	End	3657
Name	OJ990604_09.9A27.C19.o3.gp	Method	AAT/GAP
Start	3403	End	3639
GI	1854261	Score	440
Exons	3403..3639		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52077	Strand	+
Start	1	End	4989
Name	OJ990604_09.9A27.C20.o1.np	Method	AAT/NAP

Start	1	End	4989
GI	2244787	Score	1464
Exons	1..115, 560..806, 876..2195, 2453..2926, 4946..4989		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52077	Strand	+
Start	1	End	4989
Name	OJ990604_09.9A27.C20.o1.gs	Method	GENSCAN
Start	69	End	2984
GI	none	Score	.78
Exons	69..1475, 1573..2195, 2453..2625, 2755..2984		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52077	Strand	+
Start	1	End	4989
Name	OJ990604_09.9A27.C20.o1.gp	Method	AAT/GAP
Start	2125	End	3156
GI	22066_1.R1084	Score	1220
Exons	2125..2195, 2453..3156		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52077	Strand	+
Start	1	End	4989
Name	OJ990604_09.9A27.C20.o2.gp	Method	AAT/GAP
Start	2451	End	3154
GI	22066_1.R1084	Score	1113
Exons	2451..3154		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52078	Strand	+
Start	12885	End	17559
Name	OJ990604_09.9A27.C20.o3.np	Method	AAT/NAP
Start	12885	End	17559
GI	6069646	Score	258
Exons	12885..12916, 16907..17559		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52079	Strand	+
Start	23158	End	24195
Name	OJ990604_09.9A27.C20.o5.gs	Method	GENSCAN
Start	23158	End	24195
GI	none	Score	.48
Exons	23158..23304, 24067..24195		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52080	Strand	-
Start	3959	End	8855

Name	OJ990604_09.9A27.C20.o2.np	Method	AAT/NAP
Start	3602	End	8363
GI	6524189	Score	1089
Exons	3602..3689, 3774..3910, 3992..4273, 4359..4511, 4600..4644, 4728..4832, 4923..5179, 5402..5542, 5648..5777, 5909..5974, 6317..6367, 7035..7243, 7274..7478, 7657..7848, 7959..8363		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52080	Strand	-
Start	3959	End	8855
Name	OJ990604_09.9A27.C20.o3.gp	Method	AAT/GAP
Start	3811	End	4997
GI	23441_1.R1084	Score	1400
Exons	3811..3910, 3992..4273, 4359..4511, 4600..4644, 4728..4832, 4923..4997		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52080	Strand	-
Start	3959	End	8855
Name	OJ990604_09.9A27.C20.o2.gs	Method	GENSCAN
Start	3959	End	6385
GI	none	Score	.63
Exons	3959..4273, 4359..4511, 4600..4644, 4728..4859, 4894..5166, 5652..5777, 5909..5983, 6323..6385		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52080	Strand	-
Start	3959	End	8855
Name	OJ990604_09.9A27.C20.o4.gp	Method	AAT/GAP
Start	5384	End	7109
GI	702430	Score	762
Exons	5384..5542, 5648..5777, 5909..5983, 6323..6371, 7039..7109		
GI Descrip.	5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52080	Strand	-
Start	3959	End	8855
Name	OJ990604_09.9A27.C20.o3.gs	Method	GENSCAN
Start	6990	End	8855
GI	none	Score	.81
Exons	6990..7438, 7557..7848, 8091..8471, 8838..8855		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52081	Strand	-
Start	12421	End	21257
Name	OJ990604_09.9A27.C20.o4.gs	Method	GENSCAN
Start	12421	End	21257
GI	none	Score	.8
Exons	12421..12602, 15136..15213, 15309..15521, 16139..16377,		

17079..17351, 18452..18726, 19178..19303, 19399..19501,
19885..20050, 20174..20423, 20514..20928, 20977..21257

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52082	Strand	-
Start	23589	End	23739
Name	OJ990604_09.9A27.C20.o5.gp	Method	AAT/GAP
Start	23589	End	23739
GI	286806	Score	244
Exons	23589..23739		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o4.tm	Method	TBLASTX:Maize
Start	1065	End	1379
GI	none	Score	322
Exons	1065..1379, 1077..1274, 1079..1378		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o8.tm	Method	TBLASTX:Maize
Start	1681	End	1857
GI	none	Score	209
Exons	1681..1857, 1683..1850		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o5.tm	Method	TBLASTX:Maize
Start	1976	End	2603
GI	none	Score	57
Exons	1976..2026, 1977..2123, 1978..2133, 2103..2195, 2117..2194, 2122..2196, 2127..2195, 2128..2196, 2438..2596, 2450..2602, 2451..2603		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o2.tm	Method	TBLASTX:Maize
Start	2603	End	3006
GI	none	Score	527
Exons	2603..2977, 2604..2978, 2605..2997, 2617..3006		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o1.tm	Method	TBLASTX:Maize
Start	3322	End	5545
GI	none	Score	71
Exons	3322..3366, 3428..3448, 3489..3581, 3493..3555, 3591..3692, 3602..3691, 3773..3910, 3773..3910, 3778..3912, 3977..4279, 3987..4274, 3989..4276, 3993..4304, 4335..4478, 4339..4512, 4359..4514, 4591..4647, 4601..4645, 4705..4833, 4713..4841,		

4920..5048, 4921..5049, 4929..5051, 4931..5080, 4931..5065, 5064..5168, 5068..5172, 5068..5169, 5094..5195, 5422..5523, 5427..5522, 5498..5545

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o1.ts	Method	TBLASTX:Soybean
Start	3584	End	4217
GI	none	Score	109
Exons	3584..3691, 3600..3692, 3773..3883, 3773..3910, 3977..4213, 3990..4217		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o1.tc	Method	TBLASTX:Cress
Start	3605	End	4106
GI	none	Score	123
Exons	3605..3691, 3606..3692, 3756..3797, 3773..3907, 3977..4105, 3981..4106		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o1.tw	Method	TBLASTX:Wheat
Start	4070	End	4515
GI	none	Score	256
Exons	4070..4252, 4071..4253, 4250..4282, 4250..4279, 4359..4472, 4360..4470, 4360..4515, 4367..4474		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o2.tc	Method	TBLASTX:Cress
Start	4202	End	4821
GI	none	Score	38
Exons	4202..4237, 4203..4226, 4339..4512, 4359..4514, 4412..4519, 4583..4645, 4591..4647, 4591..4647, 4705..4821, 4713..4820		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o3.tc	Method	TBLASTX:Cress
Start	4962	End	5172
GI	none	Score	134
Exons	4962..5168, 4963..5172		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o7.tm	Method	TBLASTX:Maize
Start	5628	End	5986
GI	none	Score	158
Exons	5628..5789, 5641..5805, 5647..5751, 5879..5986, 5907..5984, 5908..5985		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o3.tm	Method	TBLASTX:Maize
Start	7077	End	7442
GI	none	Score	239
Exons	7077..7259, 7081..7254, 7338..7442		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o6.tm	Method	TBLASTX:Maize
Start	16994	End	17427
GI	none	Score	82
Exons	16994..17071, 17081..17110, 17122..17337, 17152..17286, 17329..17427		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o3.ts	Method	TBLASTX:Soybean
Start	18445	End	18618
GI	none	Score	113
Exons	18445..18618, 18448..18615, 18449..18616		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o4.ts	Method	TBLASTX:Soybean
Start	18928	End	19970
GI	none	Score	92
Exons	18928..19014, 18930..19016, 18931..19014, 19193..19303, 19198..19290, 19203..19292, 19206..19304, 19398..19502, 19399..19503, 19399..19503, 19400..19504, 19882..19947, 19884..19970		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o4.tc	Method	TBLASTX:Cress
Start	19202	End	19994
GI	none	Score	76
Exons	19202..19303, 19203..19304, 19399..19497, 19400..19498, 19884..19994		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o2.ts	Method	TBLASTX:Soybean
Start	19971	End	20418
GI	none	Score	211
Exons	19971..20051, 20172..20417, 20173..20418		

Seq. No.	25105	Seq. ID	OJ990604_09.9A27.C20
Gene No.	52083	Strand	-
Start	24924	End	26303
Name	OJ990604_09.9A27.C20.o6.gs	Method	GENSCAN

Start	24924	End	26303
GI	none	Score	.42
Exons	24924..25024, 25385..25468, 25833..25907, 26035..26303		

Seq. No.	25106	Seq. ID	OJ990604_09.9A27.C21
Gene No.	52084	Strand	+
Start	1782	End	2922
Name	OJ990604_09.9A27.C21.o1.np	Method	AAT/NAP
Start	1782	End	2922
GI	6907088	Score	651
Exons	1782..1919, 2095..2332, 2733..2922		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25106	Seq. ID	OJ990604_09.9A27.C21
Gene No.	52085	Strand	-
Start	1257	End	1850
Name	OJ990604_09.9A27.C21.o1.gs	Method	GENSCAN
Start	1257	End	1850
GI	none	Score	.82
Exons	1257..1330, 1708..1755, 1796..1850		

Seq. No.	25107	Seq. ID	OJ990604_09.9A27.C23
Gene No.	52086	Strand	+
Start	136	End	811
Name	OJ990604_09.9A27.C23.o1.np	Method	AAT/NAP
Start	136	End	683
GI	6523547	Score	163
Exons	136..683		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	25107	Seq. ID	OJ990604_09.9A27.C23
Gene No.	52086	Strand	+
Start	136	End	811
Name	OJ990604_09.9A27.C23.o1.gp	Method	AAT/GAP
Start	375	End	811
GI	none	Score	851
Exons	375..811		

Seq. No.	25108	Seq. ID	OJ990604_09.9A27.C24
Gene No.	52087	Strand	+
Start	177	End	275
Name	OJ990604_09.9A27.C24.o1.gs	Method	GENSCAN
Start	177	End	275
GI	none	Score	.52
Exons	177..275		

Seq. No.	25109	Seq. ID	OJ990604_09.9A27.C25
Gene No.	52088	Strand	+
Start	1	End	103
Name	OJ990604_09.9A27.C25.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	90742_1.R1084	Score	95
Exons	1..103		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.gs	Method	GENSCAN
Start	101	End	6694
GI	none	Score	.57
Exons	101..198, 1638..2722, 5238..5405, 5568..6694		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.np	Method	AAT/NAP
Start	1810	End	6698
GI	4826399	Score	1046
Exons	1810..2722, 5238..5343, 5454..6698		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.tc	Method	TBLASTX:Cress
Start	1828	End	6541
GI	none	Score	101
Exons	1828..1959, 2518..2565, 2623..2721, 5503..5712, 5540..5728, 5597..6541, 5791..5979, 6007..6243, 6260..6538, 6313..6540		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.gp	Method	AAT/GAP
Start	2922	End	2998
GI	90742_1.R1084	Score	96
Exons	2922..2998		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.tm	Method	TBLASTX:Maize
Start	5575	End	6568
GI	none	Score	94
Exons	5575..5643, 5576..5737, 5606..6568, 5689..5721, 5785..5976, 5840..6565, 6454..6567		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.ts	Method	TBLASTX:Soybean
Start	5591	End	6382
GI	none	Score	69
Exons	5591..5656, 5591..5815, 5798..6382, 5809..6243, 6200..6376		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o1.tw	Method	TBLASTX:Wheat

Start	5693	End	6055
GI	none	Score	385
Exons	5693..6055, 5788..6045		

Seq. No.	25110	Seq. ID	OJ990604_09.9A27.C26
Gene No.	52089	Strand	+
Start	101	End	6698
Name	OJ990604_09.9A27.C26.o2.tw	Method	TBLASTX:Wheat
Start	6056	End	6307
GI	none	Score	138
Exons	6056..6187, 6058..6186, 6188..6307, 6193..6243		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52090	Strand	+
Start	9570	End	9998
Name	OJ990604_09.9A27.C27.o3.gs	Method	GENSCAN
Start	9570	End	9998
GI	none	Score	.84
Exons	9570..9998		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52091	Strand	-
Start	805	End	6931
Name	OJ990604_09.9A27.C27.o1.np	Method	AAT/NAP
Start	376	End	5722
GI	6069646	Score	1089
Exons	376..1356, 1639..2429, 5697..5722		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52091	Strand	-
Start	805	End	6931
Name	OJ990604_09.9A27.C27.o1.gs	Method	GENSCAN
Start	805	End	2972
GI	none	Score	.43
Exons	805..1989, 2146..2328, 2844..2972		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52091	Strand	-
Start	805	End	6931
Name	OJ990604_09.9A27.C27.o2.gs	Method	GENSCAN
Start	3318	End	6931
GI	none	Score	.4
Exons	3318..3679, 4307..4709, 4716..4876, 4947..5037, 5316..5928, 6128..6291, 6508..6747, 6854..6931		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52092	Strand	-
Start	9631	End	10043
Name	OJ990604_09.9A27.C27.o3.np	Method	AAT/NAP
Start	9631	End	10043
GI	346430	Score	59
Exons	9631..10043		

GI Descrip.	adenylylcyclase type V-alpha - dog gi|290082 (M97886) adenylyl cyclase [Canis familiaris]		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o3.tm	Method	TBLASTX:Maize
Start	448	End	978
GI	none	Score	88
Exons	448..639, 613..849, 620..847, 874..978		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o4.tm	Method	TBLASTX:Maize
Start	1066	End	1360
GI	none	Score	112
Exons	1066..1167, 1180..1359, 1181..1360		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o1.tw	Method	TBLASTX:Wheat
Start	1336	End	1776
GI	none	Score	51
Exons	1336..1458, 1337..1459, 1471..1776, 1475..1774		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o1.tm	Method	TBLASTX:Maize
Start	1417	End	2103
GI	none	Score	39
Exons	1417..2103, 1418..1453, 1522..1785, 1895..2068		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o2.tm	Method	TBLASTX:Maize
Start	2104	End	2515
GI	none	Score	50
Exons	2104..2205, 2144..2185, 2194..2448, 2258..2452, 2441..2491, 2479..2514, 2489..2515		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o6.tm	Method	TBLASTX:Maize
Start	2655	End	3008
GI	none	Score	75
Exons	2655..2813, 2692..2808, 2871..3008		
Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o2.tw	Method	TBLASTX:Wheat
Start	3003	End	3392

GI	none	Score	60
Exons	3003..3392, 3079..3207		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o7.tm	Method	TBLASTX:Maize
Start	3228	End	3467
GI	none	Score	129
Exons	3228..3326, 3330..3467		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o5.tm	Method	TBLASTX:Maize
Start	7703	End	11811
GI	none	Score	112
Exons	7703..7786, 7706..7780, 7707..7799, 7771..7833, 7779..7832, 11614..11811, 11615..11809		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o1.ts	Method	TBLASTX:Soybean
Start	7727	End	11802
GI	none	Score	102
Exons	7727..7780, 7780..7833, 11618..11704, 11619..11735, 11679..11789, 11681..11785, 11683..11802		

Seq. No.	25111	Seq. ID	OJ990604_09.9A27.C27
Gene No.	52093	Strand	-
Start	11587	End	11811
Name	OJ990604_09.9A27.C27.o4.np	Method	AAT/NAP
Start	11587	End	11669
GI	4678270	Score	93
Exons	11587..11669		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.gs	Method	GENSCAN
Start	11	End	3020
GI	none	Score	.68
Exons	11..162, 1646..1776, 1908..2242, 2347..2529, 2623..2777, 2873..3020		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.tm	Method	TBLASTX:Maize
Start	1490	End	2982
GI	none	Score	43
Exons	1490..1570, 1623..1778, 1624..1764, 1634..1777, 1881..1982, 1889..2260, 1943..1999, 2058..2261, 2347..2529, 2356..2397, 2393..2530, 2621..2677, 2623..2778, 2739..2774, 2873..2980, 2874..2981, 2875..2982		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.np	Method	AAT/NAP
Start	1597	End	3011
GI	2960364	Score	868
Exons	1597..1776, 1890..2242, 2347..2532, 2623..2777, 2873..3011		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.ts	Method	TBLASTX:Soybean
Start	1632	End	3035
GI	none	Score	117
Exons	1632..1778, 1636..1761, 1880..2245, 2350..2532, 2396..2530, 2623..2775, 2636..2674, 2874..3035, 2875..2967, 2990..3001		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.tw	Method	TBLASTX:Wheat
Start	1644	End	2110
GI	none	Score	97
Exons	1644..1778, 1645..1761, 1700..1777, 1880..1963, 1881..1964, 1967..2110		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.tc	Method	TBLASTX:Cress
Start	2350	End	2970
GI	none	Score	104
Exons	2350..2532, 2399..2524, 2621..2671, 2623..2775, 2874..2969, 2875..2970		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o2.tw	Method	TBLASTX:Wheat
Start	2623	End	2975
GI	none	Score	63
Exons	2623..2775, 2636..2671, 2877..2975, 2887..2973		

Seq. No.	25112	Seq. ID	OJ990604_09.9A27.C28
Gene No.	52094	Strand	-
Start	11	End	3130
Name	OJ990604_09.9A27.C28.o1.gp	Method	AAT/GAP
Start	2725	End	3130
GI	none	Score	581
Exons	2725..2777, 2873..3130		

Seq. No.	25113	Seq. ID	OJ990604_09.9A27.C30
Gene No.	52095	Strand	+
Start	239	End	332

Name	OJ990604_09.9A27.C30.o1.gs	Method	GENSCAN
Start	239	End	332
GI	none	Score	.46
Exons	239..332		

Seq. No.	25114	Seq. ID	OJ990604_09.9A27.C32
Gene No.	52096	Strand	+
Start	1	End	366
Name	OJ990604_09.9A27.C32.o1.np	Method	AAT/NAP
Start	1	End	366
GI	3822340	Score	76
Exons	1..366		
GI Descrip.	(AF081810) Ld-vp80 [Lymantria dispar nucleopolyhedrovirus]		

Seq. No.	25115	Seq. ID	OJ990604_09.9A27.C33
Gene No.	52097	Strand	+
Start	343	End	457
Name	OJ990604_09.9A27.C33.o1.gs	Method	GENSCAN
Start	343	End	457
GI	none	Score	.73
Exons	343..457		

Seq. No.	25116	Seq. ID	OJ990604_09.9A27.C39
Gene No.	52098	Strand	+
Start	14	End	325
Name	OJ990604_09.9A27.C39.o1.gs	Method	GENSCAN
Start	14	End	325
GI	none	Score	.56
Exons	14..22, 230..325		

Seq. No.	25117	Seq. ID	OJ990604_09.9A27.C41
Gene No.	52099	Strand	+
Start	1	End	538
Name	OJ990604_09.9A27.C41.o1.np	Method	AAT/NAP
Start	1	End	538
GI	6907086	Score	475
Exons	1..278, 339..538		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25117	Seq. ID	OJ990604_09.9A27.C41
Gene No.	52099	Strand	+
Start	1	End	538
Name	OJ990604_09.9A27.C41.o1.gs	Method	GENSCAN
Start	74	End	233
GI	none	Score	.42
Exons	74..233		

Seq. No.	25118	Seq. ID	OJ990604_09.9A27.C45
Gene No.	52100	Strand	+
Start	1	End	698
Name	OJ990604_09.9A27.C45.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6524189	Score	231
Exons	1..82, 173..277, 361..405, 494..698		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	25118	Seq. ID	OJ990604_09.9A27.C45

Gene No.	52100	Strand	+
Start	1	End	698
Name	OJ990604_09.9A27.C45.o1.gp	Method	AAT/GAP
Start	51	End	698
GI	23441_1.R1084	Score	572
Exons	51..82, 173..277, 361..405, 494..698		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25118	Seq. ID	OJ990604_09.9A27.C45
Gene No.	52100	Strand	+
Start	1	End	698
Name	OJ990604_09.9A27.C45.o1.tm	Method	TBLASTX:Maize
Start	52	End	670
GI	none	Score	169
Exons	52..84, 164..292, 172..300, 358..414, 360..422, 360..404, 491..646, 493..666, 527..670		

Seq. No.	25118	Seq. ID	OJ990604_09.9A27.C45
Gene No.	52100	Strand	+
Start	1	End	698
Name	OJ990604_09.9A27.C45.o1.tc	Method	TBLASTX:Cress
Start	184	End	666
GI	none	Score	130
Exons	184..300, 185..292, 358..414, 358..414, 486..593, 491..646, 493..666		

Seq. No.	25118	Seq. ID	OJ990604_09.9A27.C45
Gene No.	52100	Strand	+
Start	1	End	698
Name	OJ990604_09.9A27.C45.o1.gs	Method	GENSCAN
Start	355	End	646
GI	none	Score	.86
Exons	355..405, 494..646		

Seq. No.	25118	Seq. ID	OJ990604_09.9A27.C45
Gene No.	52100	Strand	+
Start	1	End	698
Name	OJ990604_09.9A27.C45.o1.tw	Method	TBLASTX:Wheat
Start	490	End	646
GI	none	Score	110
Exons	490..645, 531..638, 533..646, 535..645		

Seq. No.	25119	Seq. ID	OJ990604_09.9A27.C46
Gene No.	52101	Strand	-
Start	126	End	199
Name	OJ990604_09.9A27.C46.o1.gs	Method	GENSCAN
Start	126	End	199
GI	none	Score	.78
Exons	126..199		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52102	Strand	+
Start	441	End	560
Name	OJ990324_08.9A01.C2.o1.gp	Method	AAT/GAP

Start	441	End	560
GI	52913_1.R1084	Score	197
Exons	441..560		
GI Descrip.	'4097690 1.0e-61 (U66592) prohibitin 2 [Arabidopsis thaliana] >gi_4099801 (U89791) prohibitin-like protein [Arabidopsis thaliana] >gi_4204301 (AC003027) prohibitin 2 [Arabidopsis thaliana]'		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52103	Strand	-
Start	428	End	561
Name	OJ990324_08.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	414	End	561
GI	none	Score	162
Exons	414..524, 416..559, 427..561, 427..561		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52103	Strand	-
Start	428	End	561
Name	OJ990324_08.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	427	End	561
GI	none	Score	131
Exons	427..561, 440..559, 441..560		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52103	Strand	-
Start	428	End	561
Name	OJ990324_08.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	427	End	561
GI	none	Score	164
Exons	427..561, 439..561		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52103	Strand	-
Start	428	End	561
Name	OJ990324_08.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	427	End	561
GI	none	Score	147
Exons	427..561, 440..559		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52103	Strand	-
Start	428	End	561
Name	OJ990324_08.9A01.C2.o1.np	Method	AAT/NAP
Start	428	End	558
GI	2842494	Score	140
Exons	428..558		
GI Descrip.	(AL021749) prohibitin-like protein [Arabidopsis thaliana] gi|4097688 (U66591) prohibitin 1 [Arabidopsis thaliana] gi|4097694 (U66594) prohibitin 1 [Arabidopsis thaliana]		

Seq. No.	25120	Seq. ID	OJ990324_08.9A01.C2
Gene No.	52103	Strand	-
Start	428	End	561
Name	OJ990324_08.9A01.C2.o1.gs	Method	GENSCAN
Start	442	End	558
GI	none	Score	.81

Exons	442..558		
Seq. No.	25121	Seq. ID	OJ990324_08.9A01.C7
Gene No.	52104	Strand	-
Start	105	End	180
Name	OJ990324_08.9A01.C7.o1.gs	Method	GENSCAN
Start	105	End	180
GI	none	Score	.58
Exons	105..180		
Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o1.gs	Method	GENSCAN
Start	1979	End	4024
GI	none	Score	.6
Exons	1979..2046, 2118..3192, 3227..4024		
Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o1.np	Method	AAT/NAP
Start	1982	End	3925
GI	1418331	Score	1620
Exons	1982..3925		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		
Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	2002	End	2535
GI	none	Score	177
Exons	2002..2031, 2005..2181, 2039..2203, 2051..2197, 2112..2216, 2253..2489, 2254..2529, 2255..2356, 2256..2360, 2257..2535		
Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	2057	End	2430
GI	none	Score	140
Exons	2057..2197, 2095..2181, 2253..2429, 2257..2430		
Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	2093	End	3910
GI	none	Score	102
Exons	2093..2197, 2253..2531, 2257..2535, 2500..2775, 2560..2640, 2568..2753, 2754..2852, 2755..3225, 2836..3048, 3024..3206, 3227..3322, 3239..3322, 3246..3329, 3332..3700, 3346..3663, 3668..3910, 3793..3909		
Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+

Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o3.tw	Method	TBLASTX:Wheat
Start	2455	End	2706
GI	none	Score	80
Exons	2455..2535, 2455..2529, 2560..2706, 2560..2685, 2592..2705		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	2559	End	2871
GI	none	Score	234
Exons	2559..2753, 2560..2754, 2743..2871, 2772..2852		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	2709	End	3036
GI	none	Score	56
Exons	2709..2765, 2710..2754, 2743..2991, 2745..2969, 2773..2991, 2995..3036		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	3039	End	3553
GI	none	Score	206
Exons	3039..3224, 3040..3225, 3227..3322, 3248..3322, 3337..3552, 3341..3553		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o4.tw	Method	TBLASTX:Wheat
Start	3067	End	3316
GI	none	Score	125
Exons	3067..3225, 3072..3107, 3156..3236, 3227..3316, 3228..3299		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	3090	End	3672
GI	none	Score	70
Exons	3090..3221, 3090..3218, 3091..3225, 3227..3340, 3228..3311, 3239..3334, 3311..3670, 3319..3672, 3343..3672		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o2.tw	Method	TBLASTX:Wheat
Start	3319	End	3664
GI	none	Score	264
Exons	3319..3507, 3341..3664, 3532..3660		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o3.ts	Method	TBLASTX:Soybean
Start	3569	End	3880
GI	none	Score	233
Exons	3569..3880		

Seq. No.	25122	Seq. ID	OJ990324_08.9A01.C9
Gene No.	52105	Strand	+
Start	1979	End	4024
Name	OJ990324_08.9A01.C9.o4.tm	Method	TBLASTX:Maize
Start	3686	End	4024
GI	none	Score	261
Exons	3686..3907, 3694..3903, 3702..3917, 3703..3918, 3986..4024		

Seq. No.	25123	Seq. ID	OJ990324_08.9A01.C10
Gene No.	52106	Strand	-
Start	528	End	1863
Name	OJ990324_08.9A01.C10.o1.gs	Method	GENSCAN
Start	528	End	1863
GI	none	Score	.69
Exons	528..640, 1791..1863		

Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o1.np	Method	AAT/NAP
Start	503	End	2530
GI	3236253	Score	1715
Exons	503..2530		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	563	End	2428
GI	none	Score	96
Exons	563..649, 629..1204, 651..851, 888..1175, 986..1186, 1229..1987, 1230..1595, 1680..1979, 1787..1981, 1997..2428, 2016..2411		

Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	565	End	863
GI	none	Score	235
Exons	565..747, 575..853, 588..863		

Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	651	End	979
GI	none	Score	95

Exons	651..845, 659..853, 683..865, 884..979		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	884	End	1453
GI	none	Score	331
Exons	884..1204, 885..1205, 1214..1453, 1215..1451		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	995	End	1505
GI	none	Score	132
Exons	995..1216, 996..1202, 1229..1504, 1233..1505		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	1052	End	1483
GI	none	Score	80
Exons	1052..1201, 1208..1483, 1230..1388		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	1508	End	1838
GI	none	Score	157
Exons	1508..1549, 1551..1826, 1553..1831, 1572..1838		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o4.tm	Method	TBLASTX:Maize
Start	1674	End	1907
GI	none	Score	160
Exons	1674..1841, 1694..1906, 1695..1907		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	1829	End	2458
GI	none	Score	96
Exons	1829..1876, 1892..2185, 2031..2180, 2195..2458		
Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	1838	End	2083
GI	none	Score	109
Exons	1838..2005, 1839..1982, 1880..2020, 1994..2083		

Seq. No.	25124	Seq. ID	OJ990324_08.9A01.C11
Gene No.	52107	Strand	-
Start	503	End	2539
Name	OJ990324_08.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	1907	End	2539
GI	none	Score	56
Exons	1907..1999, 1925..2014, 1991..2344, 2022..2345, 2366..2473, 2367..2453, 2504..2539		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52108	Strand	+
Start	3767	End	6880
Name	OJ990324_08.9A01.C12.o2.gs	Method	GENSCAN
Start	3767	End	6880
GI	none	Score	.41
Exons	3767..4334, 5072..5231, 6664..6880		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52109	Strand	+
Start	8123	End	10880
Name	OJ990324_08.9A01.C12.o3.gs	Method	GENSCAN
Start	8123	End	10880
GI	none	Score	.88
Exons	8123..8179, 8618..9053, 9579..9641, 10807..10880		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52110	Strand	+
Start	16958	End	20970
Name	OJ990324_08.9A01.C12.o2.np	Method	AAT/NAP
Start	16958	End	20970
GI	2443320	Score	5545
Exons	16958..19582, 19616..20970		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52111	Strand	+
Start	23835	End	29167
Name	OJ990324_08.9A01.C12.o2.gp	Method	AAT/GAP
Start	23742	End	28516
GI	52913_1.R1084	Score	1055
Exons	23742..24008, 27244..27360, 28345..28516		
GI Descrip.	'4097690 1.0e-61 (U66592) prohibitin 2 [Arabidopsis thaliana] >gi_4099801 (U89791) prohibitin-like protein [Arabidopsis thaliana] >gi_4204301 (AC003027) prohibitin 2 [Arabidopsis thaliana]'		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52111	Strand	+
Start	23835	End	29167
Name	OJ990324_08.9A01.C12.o3.np	Method	AAT/NAP
Start	23835	End	29158
GI	4097690	Score	988
Exons	23835..24008, 27244..27360, 28345..28515, 28620..28832, 28973..29158		
GI Descrip.	(U66592) prohibitin 2 [Arabidopsis thaliana] gi|4099801 (U89791) prohibitin-like protein [Arabidopsis thaliana] gi|4204301		

(AC003027) prohibitin 2 [Arabidopsis thaliana]

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52111	Strand	+
Start	23835	End	29167
Name	OJ990324_08.9A01.C12.o5.gs	Method	GENSCAN
Start	23835	End	29167
GI	none	Score	.93
Exons	23835..24008, 24209..24237, 25917..26082, 27244..27360, 28345..28515, 28620..28832, 28973..29167		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52112	Strand	+
Start	30613	End	35026
Name	OJ990324_08.9A01.C12.o4.np	Method	AAT/NAP
Start	30613	End	35026
GI	6815052	Score	196
Exons	30613..30647, 34250..34511, 34550..34621, 34904..35026		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52113	Strand	-
Start	7577	End	9284
Name	OJ990324_08.9A01.C12.o1.np	Method	AAT/NAP
Start	7577	End	9284
GI	6907086	Score	958
Exons	7577..7690, 7728..7980, 8184..8449, 8513..9284		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52114	Strand	-
Start	29122	End	29581
Name	OJ990324_08.9A01.C12.o3.gp	Method	AAT/GAP
Start	29122	End	29581
GI	none	Score	920
Exons	29122..29581		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o7.tw	Method	TBLASTX:Wheat
Start	17219	End	17503
GI	none	Score	210
Exons	17219..17500, 17366..17503		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o5.tw	Method	TBLASTX:Wheat
Start	17961	End	18429
GI	none	Score	72
Exons	17961..18206, 17997..18209, 17998..18210, 18013..18216, 18220..18429, 18254..18400, 18264..18410		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833

Name	OJ990324_08.9A01.C12.o6.ts	Method	TBLASTX:Soybean
Start	18271	End	18654
GI	none	Score	102
Exons	18271..18405, 18430..18654		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	18430	End	19095
GI	none	Score	809
Exons	18430..19095, 18446..19045, 18453..19049		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o3.tm	Method	TBLASTX:Maize
Start	18568	End	19113
GI	none	Score	215
Exons	18568..18876, 18693..18788, 18895..18972, 18958..19113		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o4.ts	Method	TBLASTX:Soybean
Start	18664	End	19095
GI	none	Score	185
Exons	18664..18891, 18666..18890, 18892..18972, 18958..19095		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o6.tw	Method	TBLASTX:Wheat
Start	19338	End	19536
GI	none	Score	233
Exons	19338..19535, 19342..19536, 19351..19536		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o2.ts	Method	TBLASTX:Soybean
Start	19408	End	19905
GI	5509260	Score	134
Exons	19408..19587, 19408..19563, 19461..19592, 19593..19697, 19594..19905, 19731..19889		
GI Descrip.	-		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	19537	End	20370
GI	none	Score	71
Exons	19537..19587, 19578..19913, 19578..19916, 19588..19920, 19588..19920, 19890..20369, 19906..20370		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12

Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	19593	End	20007
GI	none	Score	337
Exons	19593..19940, 19594..20007		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o4.tm	Method	TBLASTX:Maize
Start	20332	End	21095
GI	none	Score	187
Exons	20332..20706, 20725..20919, 21027..21095		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o3.ts	Method	TBLASTX:Soybean
Start	20341	End	20835
GI	none	Score	222
Exons	20341..20703, 20731..20835		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o3.tw	Method	TBLASTX:Wheat
Start	20443	End	20931
GI	none	Score	561
Exons	20443..20931, 20444..20806, 20448..20930		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	23835	End	29250
GI	none	Score	188
Exons	23835..24011, 23835..24011, 27241..27375, 27241..27363, 28333..28518, 28344..28514, 28345..28515, 28593..28832, 28611..28832, 28618..28836, 28619..28837, 28970..29176, 28970..29098, 28972..29166, 28986..29171, 29185..29250		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o4.tw	Method	TBLASTX:Wheat
Start	23850	End	28747
GI	none	Score	154
Exons	23850..24008, 23889..24011, 23954..24010, 27241..27375, 27241..27375, 27243..27386, 28344..28514, 28345..28515, 28345..28518, 28611..28745, 28611..28745, 28622..28747, 28625..28747		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o5.ts	Method	TBLASTX:Soybean

Start	23888	End	27375
GI	none	Score	158
Exons	23888..24010, 23889..24011, 27241..27375, 27243..27362		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	23889	End	29130
GI	none	Score	150
Exons	23889..24011, 27241..27375, 27243..27362, 28344..28514, 28344..28514, 28345..28515, 28602..28823, 28611..28832, 28774..28836, 28955..29098, 28969..29130, 28970..29101		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	28344	End	29130
GI	none	Score	256
Exons	28344..28505, 28345..28515, 28611..28832, 28622..28792, 28631..28837, 28783..28836, 28969..29130, 28970..29101, 28987..29130		

Seq. No.	25125	Seq. ID	OJ990324_08.9A01.C12
Gene No.	52115	Strand	-
Start	31315	End	32833
Name	OJ990324_08.9A01.C12.o6.gs	Method	GENSCAN
Start	31315	End	32833
GI	none	Score	.55
Exons	31315..31460, 31664..31771, 31883..31989, 32010..32139, 32686..32833		

Seq. No.	25126	Seq. ID	OJ990324_08.9A01.C13
Gene No.	52116	Strand	-
Start	120	End	1125
Name	OJ990324_08.9A01.C13.o1.np	Method	AAT/NAP
Start	120	End	1125
GI	6630696	Score	1594
Exons	120..1125		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25126	Seq. ID	OJ990324_08.9A01.C13
Gene No.	52116	Strand	-
Start	120	End	1125
Name	OJ990324_08.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	256	End	732
GI	none	Score	376
Exons	256..642, 258..641, 685..732, 686..727		

Seq. No.	25126	Seq. ID	OJ990324_08.9A01.C13
Gene No.	52116	Strand	-
Start	120	End	1125
Name	OJ990324_08.9A01.C13.o1.gs	Method	GENSCAN
Start	310	End	458

GI	none	Score	.5
Exons	310..458		

Seq. No.	25126	Seq. ID	OJ990324_08.9A01.C13
Gene No.	52116	Strand	-
Start	120	End	1125
Name	OJ990324_08.9A01.C13.o2.ts	Method	TBLASTX:Soybean
Start	384	End	684
GI	none	Score	75
Exons	384..593, 463..588, 474..599,	612..677,	622..684

Seq. No.	25126	Seq. ID	OJ990324_08.9A01.C13
Gene No.	52116	Strand	-
Start	120	End	1125
Name	OJ990324_08.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	588	End	936
GI	none	Score	75
Exons	588..683, 589..693, 691..936,	692..922,	703..930

Seq. No.	25126	Seq. ID	OJ990324_08.9A01.C13
Gene No.	52116	Strand	-
Start	120	End	1125
Name	OJ990324_08.9A01.C13.o1.ts	Method	TBLASTX:Soybean
Start	736	End	1087
GI	none	Score	60
Exons	736..918, 739..927, 928..1086,	959..1087	

Seq. No.	25127	Seq. ID	OJ990324_08.9A01.C15
Gene No.	52117	Strand	-
Start	102	End	347
Name	OJ990324_08.9A01.C15.o1.gs	Method	GENSCAN
Start	102	End	347
GI	none	Score	.53
Exons	102..347		

Seq. No.	25128	Seq. ID	OJ990324_08.9A01.C17
Gene No.	52118	Strand	+
Start	181	End	681
Name	OJ990324_08.9A01.C17.o1.gs	Method	GENSCAN
Start	181	End	681
GI	none	Score	.49
Exons	181..294, 357..490, 575..681		

Seq. No.	25129	Seq. ID	OJ990324_08.9A01.C18
Gene No.	52119	Strand	+
Start	76	End	241
Name	OJ990324_08.9A01.C18.o1.gs	Method	GENSCAN
Start	76	End	241
GI	none	Score	.8
Exons	76..241		

Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52120	Strand	+
Start	2443	End	8860
Name	OJ990324_08.9A01.C20.o1.np	Method	AAT/NAP
Start	2443	End	8860
GI	6630699	Score	86

Exons	2443..2489, 8782..8860		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52121	Strand	+
Start	9025	End	13072
Name	OJ990324_08.9A01.C20.o2.np	Method	AAT/NAP
Start	8980	End	9400
GI	6539570	Score	94
Exons	8980..9191, 9334..9400		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52121	Strand	+
Start	9025	End	13072
Name	OJ990324_08.9A01.C20.o3.gs	Method	GENSCAN
Start	9025	End	13072
GI	none	Score	.76
Exons	9025..9138, 9603..9645, 10216..10304, 10600..10889, 11019..11123, 11555..11693, 13022..13072		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52121	Strand	+
Start	9025	End	13072
Name	OJ990324_08.9A01.C20.o1.gp	Method	AAT/GAP
Start	12191	End	12764
GI	2315_5.R1084	Score	342
Exons	12191..12458, 12742..12764		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52122	Strand	+
Start	13783	End	14107
Name	OJ990324_08.9A01.C20.o2.gp	Method	AAT/GAP
Start	13783	End	14107
GI	2315_5.R1084	Score	78
Exons	13783..13848, 14085..14107		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52123	Strand	+
Start	15688	End	18524
Name	OJ990324_08.9A01.C20.o4.gs	Method	GENSCAN
Start	15688	End	18524
GI	none	Score	.86
Exons	15688..16312, 18059..18524		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52124	Strand	-
Start	3142	End	7165
Name	OJ990324_08.9A01.C20.o2.gs	Method	GENSCAN
Start	3142	End	7165
GI	none	Score	.46

Exons	3142..3238, 4644..4653, 5120..5215, 6278..6493, 7132..7165		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52125	Strand	-
Start	9066	End	11979
Name	OJ990324_08.9A01.C20.o3.np	Method	AAT/NAP
Start	9066	End	11979
GI	5922620	Score	80
Exons	9066..9097, 10450..10655, 11945..11979		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52126	Strand	-
Start	15680	End	15978
Name	OJ990324_08.9A01.C20.o4.gp	Method	AAT/GAP
Start	15680	End	15978
GI	2315_5.R1084	Score	357
Exons	15680..15795, 15873..15978		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52126	Strand	-
Start	15680	End	15978
Name	OJ990324_08.9A01.C20.o3.gp	Method	AAT/GAP
Start	15684	End	15951
GI	2315_5.R1084	Score	329
Exons	15684..15795, 15873..15951		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	25130	Seq. ID	OJ990324_08.9A01.C20
Gene No.	52127	Strand	-
Start	15986	End	16316
Name	OJ990324_08.9A01.C20.o5.gp	Method	AAT/GAP
Start	15986	End	16316
GI	69014_1.R1084	Score	529
Exons	15986..16316		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52128	Strand	+
Start	1201	End	5298
Name	OJ990324_08.9A01.C22.o1.gs	Method	GENSCAN
Start	1201	End	5298
GI	none	Score	.69
Exons	1201..1401, 2328..2472, 2561..2688, 3244..3358, 3436..3539, 3911..4123, 5281..5298		
Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52128	Strand	+

Start	1201	End	5298
Name	OJ990324_08.9A01.C22.o1.np	Method	AAT/NAP
Start	2020	End	4090
GI	3256925	Score	82
Exons	2020..2149, 2374..2472, 2561..2783, 3240..3376, 3475..3539, 3869..4090		
GI Descrip.	(AP000002) 333aa long hypothetical dehydrogenase [Pyrococcus horikoshii]		

Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52129	Strand	-
Start	7766	End	7838
Name	OJ990324_08.9A01.C22.o2.ts	Method	TBLASTX:Soybean
Start	2162	End	4135
GI	none	Score	59
Exons	2162..2236, 3979..4122, 3980..4123, 3986..4135		

Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52129	Strand	-
Start	7766	End	7838
Name	OJ990324_08.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	2325	End	4123
GI	none	Score	221
Exons	2325..2474, 2325..2480, 2552..2668, 2553..2669, 2553..2687, 2560..2688, 3074..3163, 3074..3148, 3076..3150, 3244..3354, 3246..3353, 3251..3370, 3284..3361, 3438..3542, 3440..3538, 3442..3540, 3457..3567, 3623..3664, 3624..3668, 3907..4119, 3909..4061, 3910..4104, 3911..4123		

Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52129	Strand	-
Start	7766	End	7838
Name	OJ990324_08.9A01.C22.o1.ts	Method	TBLASTX:Soybean
Start	2325	End	2688
GI	none	Score	165
Exons	2325..2474, 2325..2480, 2553..2687, 2560..2688		

Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52129	Strand	-
Start	7766	End	7838
Name	OJ990324_08.9A01.C22.o2.tc	Method	TBLASTX:Cress
Start	2556	End	3539
GI	none	Score	153
Exons	2556..2687, 2560..2688, 3070..3162, 3074..3163, 3243..3347, 3244..3342, 3447..3539		

Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52129	Strand	-
Start	7766	End	7838
Name	OJ990324_08.9A01.C22.o1.tc	Method	TBLASTX:Cress
Start	3911	End	4126
GI	none	Score	269
Exons	3911..4126, 3973..4122		

Seq. No.	25131	Seq. ID	OJ990324_08.9A01.C22
Gene No.	52129	Strand	-
Start	7766	End	7838

Name	OJ990324_08.9A01.C22.o2.gs	Method	GENSCAN
Start	7766	End	7838
GI	none	Score	.51
Exons	7766..7838		

Seq. No.	25132	Seq. ID	OJ990324_08.9A01.C24
Gene No.	52130	Strand	+
Start	1	End	429
Name	OJ990324_08.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	429
GI	2443320	Score	574
Exons	1..429		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	25132	Seq. ID	OJ990324_08.9A01.C24
Gene No.	52130	Strand	+
Start	1	End	429
Name	OJ990324_08.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	61	End	429
GI	none	Score	59
Exons	61..198, 175..429		

Seq. No.	25132	Seq. ID	OJ990324_08.9A01.C24
Gene No.	52130	Strand	+
Start	1	End	429
Name	OJ990324_08.9A01.C24.o1.tw	Method	TBLASTX:Wheat
Start	61	End	387
GI	none	Score	396
Exons	61..387, 70..357, 72..386		

Seq. No.	25132	Seq. ID	OJ990324_08.9A01.C24
Gene No.	52130	Strand	+
Start	1	End	429
Name	OJ990324_08.9A01.C24.o1.gs	Method	GENSCAN
Start	208	End	415
GI	none	Score	.91
Exons	208..415		

Seq. No.	25133	Seq. ID	OJ990324_08.9A01.C25
Gene No.	52131	Strand	+
Start	586	End	662
Name	OJ990324_08.9A01.C25.o1.gs	Method	GENSCAN
Start	586	End	662
GI	none	Score	.55
Exons	586..662		

Seq. No.	25134	Seq. ID	OJ990324_08.9A01.C27
Gene No.	52132	Strand	+
Start	271	End	675
Name	OJ990324_08.9A01.C27.o1.np	Method	AAT/NAP
Start	271	End	675
GI	3193302	Score	179
Exons	271..675		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	25134	Seq. ID	OJ990324_08.9A01.C27
Gene No.	52132	Strand	+
Start	271	End	675
Name	OJ990324_08.9A01.C27.o1.gs	Method	GENSCAN
Start	338	End	631
GI	none	Score	.77
Exons	338..631		

Seq. No.	25134	Seq. ID	OJ990324_08.9A01.C27
Gene No.	52133	Strand	-
Start	211	End	317
Name	OJ990324_08.9A01.C27.o1.gp	Method	AAT/GAP
Start	211	End	317
GI	52913_1.R1084	Score	128
Exons	211..317		
GI Descrip.	'4097690 1.0e-61 (U66592) prohibitin 2 [Arabidopsis thaliana] >gi_4099801 (U89791) prohibitin-like protein [Arabidopsis thaliana] >gi_4204301 (AC003027) prohibitin 2 [Arabidopsis thaliana]'		

Seq. No.	25134	Seq. ID	OJ990324_08.9A01.C27
Gene No.	52134	Strand	
Start	330	End	659
Name	OJ990324_08.9A01.C27.o1.tm	Method	TBLASTX:Maize
Start	330	End	659
GI	none	Score	199
Exons	330..527, 362..511, 515..622,	516..659	

Seq. No.	25134	Seq. ID	OJ990324_08.9A01.C27
Gene No.	52134	Strand	
Start	330	End	659
Name	OJ990324_08.9A01.C27.o1.ts	Method	TBLASTX:Soybean
Start	336	End	646
GI	none	Score	235
Exons	336..644, 362..646		

Seq. No.	25134	Seq. ID	OJ990324_08.9A01.C27
Gene No.	52134	Strand	
Start	330	End	659
Name	OJ990324_08.9A01.C27.o1.tc	Method	TBLASTX:Cress
Start	375	End	644
GI	none	Score	189
Exons	375..644, 392..610		

Seq. No.	25135	Seq. ID	OJ990504_02.9A01.C1
Gene No.	52135	Strand	+
Start	59	End	607
Name	OJ990504_02.9A01.C1.o1.gs	Method	GENSCAN
Start	59	End	607
GI	none	Score	.42
Exons	59..607		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52136	Strand	+
Start	377	End	3671
Name	OJ990504_02.9A01.C2.o1.gs	Method	GENSCAN
Start	377	End	3671

GI	none	Score	.5
Exons	377..438, 1838..2102, 3191..3237, 3365..3496, 3546..3671		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52137	Strand	+
Start	4097	End	5276
Name	OJ990504_02.9A01.C2.o2.gs	Method	GENSCAN
Start	4097	End	5061
GI	none	Score	.67
Exons	4097..4844, 4955..5061		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52137	Strand	+
Start	4097	End	5276
Name	OJ990504_02.9A01.C2.o2.np	Method	AAT/NAP
Start	4097	End	5276
GI	6630696	Score	1990
Exons	4097..5276		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52137	Strand	+
Start	4097	End	5276
Name	OJ990504_02.9A01.C2.o1.gp	Method	AAT/GAP
Start	4139	End	5029
GI	101595_1.R1084	Score	1447
Exons	4139..4839, 4955..5029		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52138	Strand	-
Start	1	End	3655
Name	OJ990504_02.9A01.C2.o1.np	Method	AAT/NAP
Start	1	End	3655
GI	2887500	Score	304
Exons	1..45, 260..370, 451..551, 1162..1247, 1820..1929, 3539..3655		
GI Descrip.	(AC002339) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52139	Strand	
Start	3991	End	4447
Name	OJ990504_02.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	3991	End	4388
GI	none	Score	128
Exons	3991..4089, 3992..4126, 4103..4387, 4177..4368, 4206..4388		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52139	Strand	
Start	3991	End	4447
Name	OJ990504_02.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	4139	End	4447
GI	none	Score	313
Exons	4139..4447, 4186..4368, 4239..4382, 4268..4444		

Seq. No.	25136	Seq. ID	OJ990504_02.9A01.C2
Gene No.	52140	Strand	
Start	4970	End	5244
Name	OJ990504_02.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	4970	End	5244
GI	none	Score	376
Exons	4970..5242, 4971..5243, 4971..5243, 4972..5244, 4972..5244		

Seq. No.	25137	Seq. ID	OJ990504_02.9A01.C3
Gene No.	52141	Strand	+
Start	1	End	867
Name	OJ990504_02.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	867
GI	6630696	Score	1506
Exons	1..867		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25137	Seq. ID	OJ990504_02.9A01.C3
Gene No.	52141	Strand	+
Start	1	End	867
Name	OJ990504_02.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	19	End	337
GI	none	Score	213
Exons	19..78, 20..256, 109..252, 266..337		

Seq. No.	25137	Seq. ID	OJ990504_02.9A01.C3
Gene No.	52141	Strand	+
Start	1	End	867
Name	OJ990504_02.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	35	End	256
GI	none	Score	207
Exons	35..256, 37..252		

Seq. No.	25137	Seq. ID	OJ990504_02.9A01.C3
Gene No.	52141	Strand	+
Start	1	End	867
Name	OJ990504_02.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	91	End	837
GI	none	Score	210
Exons	91..381, 91..381, 98..382, 102..404, 358..837, 378..587, 648..833, 655..837		

Seq. No.	25137	Seq. ID	OJ990504_02.9A01.C3
Gene No.	52141	Strand	+
Start	1	End	867
Name	OJ990504_02.9A01.C3.o1.gs	Method	GENSCAN
Start	322	End	808
GI	none	Score	.47
Exons	322..340, 590..808		

Seq. No.	25138	Seq. ID	OJ990504_02.9A01.C5
Gene No.	52142	Strand	-
Start	150	End	656
Name	OJ990504_02.9A01.C5.o1.np	Method	AAT/NAP

Start	150	End	656
GI	6630696	Score	856
Exons	150..656		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25138	Seq. ID	OJ990504_02.9A01.C5
Gene No.	52142	Strand	-
Start	150	End	656
Name	OJ990504_02.9A01.C5.o1.gs	Method	GENSCAN
Start	197	End	488
GI	none	Score	.69
Exons	197..488		

Seq. No.	25138	Seq. ID	OJ990504_02.9A01.C5
Gene No.	52142	Strand	-
Start	150	End	656
Name	OJ990504_02.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	286	End	656
GI	none	Score	388
Exons	286..654, 288..656		

Seq. No.	25138	Seq. ID	OJ990504_02.9A01.C5
Gene No.	52142	Strand	-
Start	150	End	656
Name	OJ990504_02.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	414	End	623
GI	none	Score	96
Exons	414..623, 493..618		

Seq. No.	25139	Seq. ID	OJ990504_02.9A01.C6
Gene No.	52143	Strand	-
Start	197	End	353
Name	OJ990504_02.9A01.C6.o1.gs	Method	GENSCAN
Start	197	End	353
GI	none	Score	.62
Exons	197..353		

Seq. No.	25140	Seq. ID	OJ990504_02.9A01.C9
Gene No.	52144	Strand	-
Start	1	End	677
Name	OJ990504_02.9A01.C9.o1.gp	Method	AAT/GAP
Start	1	End	677
GI	31091_1.R1084	Score	602
Exons	1..92, 178..299, 549..677		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25140	Seq. ID	OJ990504_02.9A01.C9
Gene No.	52144	Strand	-
Start	1	End	677
Name	OJ990504_02.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	677
GI	6630556	Score	282
Exons	1..108, 188..299, 549..677		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis		

thaliana]

Seq. No.	25140	Seq. ID	OJ990504_02.9A01.C9
Gene No.	52144	Strand	-
Start	1	End	677
Name	OJ990504_02.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	5	End	677
GI	none	Score	121
Exons	5..91, 6..95, 180..299, 180..299, 181..300, 181..300, 188..301, 536..670, 549..677, 550..672		

Seq. No.	25140	Seq. ID	OJ990504_02.9A01.C9
Gene No.	52144	Strand	-
Start	1	End	677
Name	OJ990504_02.9A01.C9.o1.gs	Method	GENSCAN
Start	85	End	617
GI	none	Score	.56
Exons	85..299, 549..617		

Seq. No.	25141	Seq. ID	OJ990504_02.9A01.C12
Gene No.	52145	Strand	-
Start	1	End	391
Name	OJ990504_02.9A01.C12.o1.gp	Method	AAT/GAP
Start	1	End	391
GI	5039025	Score	513
Exons	1..391		

Seq. No.	25141	Seq. ID	OJ990504_02.9A01.C12
Gene No.	52145	Strand	-
Start	1	End	391
Name	OJ990504_02.9A01.C12.o1.gs	Method	GENSCAN
Start	96	End	390
GI	none	Score	.57
Exons	96..390		

Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52146	Strand	+
Start	106	End	983
Name	OJ990504_02.9A01.C15.o1.gs	Method	GENSCAN
Start	106	End	983
GI	none	Score	.77
Exons	106..313, 455..641, 674..983		

Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52147	Strand	+
Start	5413	End	6982
Name	OJ990504_02.9A01.C15.o3.gs	Method	GENSCAN
Start	5413	End	6982
GI	none	Score	.48
Exons	5413..5456, 6809..6845, 6956..6982		

Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52148	Strand	+
Start	7507	End	9714
Name	OJ990504_02.9A01.C15.o4.gs	Method	GENSCAN
Start	7507	End	9714
GI	none	Score	.41

Exons	7507..7648, 7889..7971, 8872..9142, 9656..9714		
Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52149	Strand	+
Start	10393	End	11245
Name	OJ990504_02.9A01.C15.o5.gs	Method	GENSCAN
Start	10393	End	11245
GI	none	Score	.64
Exons	10393..10656, 11102..11245		
Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52150	Strand	+
Start	11702	End	11979
Name	OJ990504_02.9A01.C15.o2.gp	Method	AAT/GAP
Start	11702	End	11979
GI	none	Score	363
Exons	11702..11979		
Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52151	Strand	-
Start	1138	End	4658
Name	OJ990504_02.9A01.C15.o2.gs	Method	GENSCAN
Start	1138	End	4658
GI	none	Score	.51
Exons	1138..1161, 2837..2884, 3684..4031, 4410..4658		
Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52151	Strand	-
Start	1138	End	4658
Name	OJ990504_02.9A01.C15.o1.gp	Method	AAT/GAP
Start	3794	End	4468
GI	2799515	Score	445
Exons	3794..4031, 4410..4468		
Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52152	Strand	-
Start	11974	End	14082
Name	OJ990504_02.9A01.C15.o6.gs	Method	GENSCAN
Start	11974	End	14055
GI	none	Score	.98
Exons	11974..12846, 14005..14055		
Seq. No.	25142	Seq. ID	OJ990504_02.9A01.C15
Gene No.	52152	Strand	-
Start	11974	End	14082
Name	OJ990504_02.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	12564	End	14082
GI	none	Score	148
Exons	12564..12743, 12566..12748, 12567..12740, 12568..12849, 13875..13913, 14005..14082		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52153	Strand	+
Start	7889	End	9350
Name	OJ990504_02.9A01.C16.o2.gs	Method	GENSCAN
Start	7889	End	9350
GI	none	Score	.46

Exons	7889..8062, 8143..8307, 8323..8457, 8638..8740, 9184..9350		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	686	End	1487
GI	none	Score	161
Exons	686..862, 686..844, 697..846, 963..1121, 964..1131, 999..1136, 1236..1487, 1272..1478, 1306..1485		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o1.gs	Method	GENSCAN
Start	688	End	7382
GI	none	Score	.51
Exons	688..844, 958..1131, 1242..1489, 4556..4733, 4879..5028, 6506..6860, 6979..7382		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o1.ts	Method	TBLASTX:Soybean
Start	1063	End	1400
GI	none	Score	66
Exons	1063..1131, 1239..1400, 1242..1382, 1306..1395		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o1.gp	Method	AAT/GAP
Start	1384	End	4990
GI	none	Score	848
Exons	1384..1489, 4556..4797, 4879..4990		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o2.tm	Method	TBLASTX:Maize
Start	6434	End	6752
GI	none	Score	56
Exons	6434..6505, 6444..6527, 6449..6526, 6581..6733, 6581..6751, 6588..6752		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o1.np	Method	AAT/NAP
Start	6440	End	7964
GI	3402705	Score	477
Exons	6440..6838, 6945..7181, 7820..7964		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964

Name	OJ990504_02.9A01.C16.o2.ts	Method	TBLASTX:Soybean
Start	6455	End	6826
GI	none	Score	57
Exons	6455..6508, 6462..6509, 6581..6760, 6585..6737, 6797..6826, 6806..6826		

Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o3.tm	Method	TBLASTX:Maize
Start	6776	End	7166
GI	none	Score	38
Exons	6776..6841, 6819..6839, 6939..7001, 6945..7103, 6946..7104, 7050..7166		

Seq. No.	25143	Seq. ID	OJ990504_02.9A01.C16
Gene No.	52154	Strand	-
Start	688	End	7964
Name	OJ990504_02.9A01.C16.o3.ts	Method	TBLASTX:Soybean
Start	6969	End	7101
GI	none	Score	90
Exons	6969..7100, 6970..7101		

Seq. No.	25144	Seq. ID	OJ990504_02.9A01.C17
Gene No.	52155	Strand	+
Start	250	End	1048
Name	OJ990504_02.9A01.C17.o1.gs	Method	GENSCAN
Start	250	End	1048
GI	none	Score	.77
Exons	250..483, 596..673, 746..1048		

Seq. No.	25144	Seq. ID	OJ990504_02.9A01.C17
Gene No.	52156	Strand	-
Start	3918	End	4969
Name	OJ990504_02.9A01.C17.o1.tm	Method	TBLASTX:Maize
Start	244	End	468
GI	none	Score	306
Exons	244..468, 245..466, 246..467, 262..468		

Seq. No.	25144	Seq. ID	OJ990504_02.9A01.C17
Gene No.	52156	Strand	-
Start	3918	End	4969
Name	OJ990504_02.9A01.C17.o2.gs	Method	GENSCAN
Start	3918	End	4969
GI	none	Score	.59
Exons	3918..4121, 4127..4392, 4669..4969		

Seq. No.	25144	Seq. ID	OJ990504_02.9A01.C17
Gene No.	52156	Strand	-
Start	3918	End	4969
Name	OJ990504_02.9A01.C17.o1.np	Method	AAT/NAP
Start	3995	End	4807
GI	3885338	Score	314
Exons	3995..4727, 4759..4807		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		

Seq. No.	25145	Seq. ID	OJ990504_02.9A01.C18

Gene No.	52157	Strand	+
Start	1	End	690
Name	OJ990504_02.9A01.C18.o1.gp	Method	AAT/GAP
Start	1	End	414
GI	none	Score	620
Exons	1..414		

Seq. No.	25145	Seq. ID	OJ990504_02.9A01.C18
Gene No.	52157	Strand	+
Start	1	End	690
Name	OJ990504_02.9A01.C18.o1.gs	Method	GENSCAN
Start	81	End	690
GI	none	Score	.66
Exons	81..690		

Seq. No.	25146	Seq. ID	OJ990504_02.9A01.C19
Gene No.	52158	Strand	+
Start	1	End	2037
Name	OJ990504_02.9A01.C19.o1.gp	Method	AAT/GAP
Start	1	End	1198
GI	4879704	Score	618
Exons	1..331, 1163..1198		

Seq. No.	25146	Seq. ID	OJ990504_02.9A01.C19
Gene No.	52158	Strand	+
Start	1	End	2037
Name	OJ990504_02.9A01.C19.o1.np	Method	AAT/NAP
Start	31	End	1974
GI	5257262	Score	356
Exons	31..331, 1163..1692, 1888..1974		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	25146	Seq. ID	OJ990504_02.9A01.C19
Gene No.	52158	Strand	+
Start	1	End	2037
Name	OJ990504_02.9A01.C19.o1.gs	Method	GENSCAN
Start	112	End	2037
GI	none	Score	.96
Exons	112..331, 1163..2037		

Seq. No.	25146	Seq. ID	OJ990504_02.9A01.C19
Gene No.	52159	Strand	-
Start	883	End	4871
Name	OJ990504_02.9A01.C19.o2.np	Method	AAT/NAP
Start	883	End	4871
GI	4226115	Score	71
Exons	883..920, 3360..3661, 4763..4871		
GI Descrip.	(AF125455) No definition line found [Caenorhabditis elegans]		

Seq. No.	25146	Seq. ID	OJ990504_02.9A01.C19
Gene No.	52159	Strand	-
Start	883	End	4871
Name	OJ990504_02.9A01.C19.o2.gs	Method	GENSCAN
Start	3137	End	3961
GI	none	Score	.56
Exons	3137..3961		

Seq. No.	25147	Seq. ID	OJ990504_02.9A01.C20
Gene No.	52160	Strand	-
Start	143	End	3194
Name	OJ990504_02.9A01.C20.o1.gs	Method	GENSCAN
Start	143	End	3194
GI	none	Score	.64
Exons	143..580, 616..674, 699..2485, 3156..3194		

Seq. No.	25147	Seq. ID	OJ990504_02.9A01.C20
Gene No.	52160	Strand	-
Start	143	End	3194
Name	OJ990504_02.9A01.C20.o1.tm	Method	TBLASTX:Maize
Start	1174	End	1407
GI	none	Score	136
Exons	1174..1407, 1241..1369, 1257..1373, 1261..1392		

Seq. No.	25148	Seq. ID	OJ990504_02.9A01.C21
Gene No.	52161	Strand	-
Start	262	End	710
Name	OJ990504_02.9A01.C21.o1.gs	Method	GENSCAN
Start	262	End	710
GI	none	Score	.79
Exons	262..384, 442..710		

Seq. No.	25148	Seq. ID	OJ990504_02.9A01.C21
Gene No.	52162	Strand	-
Start	1378	End	4588
Name	OJ990504_02.9A01.C21.o2.gs	Method	GENSCAN
Start	1378	End	4588
GI	none	Score	.67
Exons	1378..1446, 2945..2994, 3661..3780, 4034..4091, 4457..4588		

Seq. No.	25149	Seq. ID	OJ990504_02.9A01.C22
Gene No.	52163	Strand	+
Start	104	End	2939
Name	OJ990504_02.9A01.C22.o1.gs	Method	GENSCAN
Start	104	End	2939
GI	none	Score	.69
Exons	104..196, 2460..2939		

Seq. No.	25149	Seq. ID	OJ990504_02.9A01.C22
Gene No.	52164	Strand	+
Start	8076	End	11880
Name	OJ990504_02.9A01.C22.o1.np	Method	AAT/NAP
Start	8076	End	11880
GI	6721547	Score	75
Exons	8076..8168, 11834..11880		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	25150	Seq. ID	OJ990504_02.9A01.C23
Gene No.	52165	Strand	+
Start	1	End	523
Name	OJ990504_02.9A01.C23.o1.np	Method	AAT/NAP
Start	1	End	512
GI	4468804	Score	471
Exons	1..512		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	25150	Seq. ID	OJ990504_02.9A01.C23
Gene No.	52165	Strand	+
Start	1	End	523
Name	OJ990504_02.9A01.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	470
GI	none	Score	340
Exons	2..457, 3..470		

Seq. No.	25150	Seq. ID	OJ990504_02.9A01.C23
Gene No.	52165	Strand	+
Start	1	End	523
Name	OJ990504_02.9A01.C23.o1.tc	Method	TBLASTX:Cress
Start	3	End	515
GI	none	Score	435
Exons	3..515, 50..514		

Seq. No.	25150	Seq. ID	OJ990504_02.9A01.C23
Gene No.	52165	Strand	+
Start	1	End	523
Name	OJ990504_02.9A01.C23.o1.gs	Method	GENSCAN
Start	81	End	488
GI	none	Score	.41
Exons	81..155, 186..488		

Seq. No.	25150	Seq. ID	OJ990504_02.9A01.C23
Gene No.	52165	Strand	+
Start	1	End	523
Name	OJ990504_02.9A01.C23.o1.ts	Method	TBLASTX:Soybean
Start	140	End	523
GI	none	Score	324
Exons	140..523, 147..515		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52166	Strand	+
Start	5413	End	5614
Name	OJ990504_02.9A01.C24.o1.gp	Method	AAT/GAP
Start	5413	End	5614
GI	LIB3433-034-P1-K1-B9	Score	369
Exons	5413..5614		
GI Descrip.	'5107157/gb|AAD39991.1|AF150084_1 2.0e-20 (AF150084) small zinc finger-like protein [Malus domestica]'		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o1.gs	Method	GENSCAN
Start	1654	End	5612
GI	none	Score	.72
Exons	1654..1661, 2071..3838, 3840..4060, 4766..4832, 5442..5612		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o1.np	Method	AAT/NAP
Start	2060	End	5058
GI	5903099	Score	1215

Exons	2060..4002, 5000..5058		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	2063	End	2963
GI	none	Score	109
Exons	2063..2110, 2159..2428, 2162..2332, 2184..2429, 2471..2638, 2471..2962, 2499..2963		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o4.ts	Method	TBLASTX:Soybean
Start	2069	End	2329
GI	none	Score	64
Exons	2069..2110, 2162..2308, 2162..2329		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o1.ts	Method	TBLASTX:Soybean
Start	2540	End	3008
GI	none	Score	75
Exons	2540..2668, 2540..3004, 2544..2723, 2808..3008		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o2.tm	Method	TBLASTX:Maize
Start	2964	End	3391
GI	none	Score	75
Exons	2964..3047, 2964..3104, 2966..3154, 2966..3214, 3212..3331, 3302..3391		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o2.ts	Method	TBLASTX:Soybean
Start	3062	End	3451
GI	none	Score	48
Exons	3062..3229, 3230..3346, 3260..3451, 3291..3326, 3348..3443		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o3.tm	Method	TBLASTX:Maize
Start	3392	End	3998
GI	none	Score	145
Exons	3392..3616, 3395..3592, 3909..3998		
Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o3.ts	Method	TBLASTX:Soybean

Start	5421	End	5612
GI	none	Score	214
Exons	5421..5612		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o1.tc	Method	TBLASTX:Cress
Start	5433	End	5618
GI	none	Score	73
Exons	5433..5618, 5442..5576		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o1.tw	Method	TBLASTX:Wheat
Start	5442	End	5618
GI	none	Score	179
Exons	5442..5618		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o4.tm	Method	TBLASTX:Maize
Start	5442	End	5618
GI	none	Score	69
Exons	5442..5618, 5454..5558		

Seq. No.	25151	Seq. ID	OJ990504_02.9A01.C24
Gene No.	52167	Strand	-
Start	1654	End	5668
Name	OJ990504_02.9A01.C24.o2.np	Method	AAT/NAP
Start	5448	End	5668
GI	5107157	Score	189
Exons	5448..5668		
GI Descrip.	(AF150084) small zinc finger-like protein [Malus domestica]		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o2.gs	Method	GENSCAN
Start	2854	End	23043
GI	none	Score	.77
Exons	2854..2859, 3970..4074, 4135..4252, 4665..4888, 5044..5098, 5876..6072, 6322..6443, 6529..6676, 6758..7144, 7345..7437, 7999..8143, 8847..9028, 9072..9143, 9498..9601, 9741..9797, 9884..10070, 11135..11164, 11672..11863, 11963..12206, 13478..13642, 13887..14077, 14659..14829, 15206..15275, 15351..15496, 15936..16086, 16552..16670, 16806..16877, 17870..17973, 18268..18324, 18417..18609, 18825..18968, 20536..20697, 22460..22809, 22887..23043		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o3.gp	Method	AAT/GAP
Start	4165	End	5990

GI	uC-osflm202106f09b1	Score	896
Exons	4165..4252, 4665..4888, 5044..5098, 5876..5990		
GI Descrip.	'4809270/gb|AF149413.1|T1N24 2.0e-09 Arabidopsis thaliana BAC T1N24'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o1.np	Method	AAT/NAP
Start	4686	End	10571
GI	6630556	Score	1721
Exons	4686..4888, 5044..5098, 5876..6072, 6322..6433, 6513..6676, 6825..6894, 6999..7144, 7260..7305, 7385..7437, 7999..8143, 8847..8965, 9072..9143, 9498..9601, 9741..9797, 9884..10079, 10163..10303, 10416..10571		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o4.gp	Method	AAT/GAP
Start	5871	End	6735
GI	31091_1.R1084	Score	810
Exons	5871..6072, 6322..6443, 6529..6735		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o5.gp	Method	AAT/GAP
Start	5963	End	6921
GI	31091_1.R1084	Score	771
Exons	5963..6072, 6322..6443, 6529..6676, 6825..6921		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o6.gp	Method	AAT/GAP
Start	7218	End	8143
GI	14187_1.R1084	Score	406
Exons	7218..7305, 7385..7437, 7999..8143		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o7.gp	Method	AAT/GAP
Start	8842	End	10124
GI	14187_1.R1084	Score	943
Exons	8842..8965, 9072..9143, 9498..9601, 9741..9797, 9884..10124		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o8.gp	Method	AAT/GAP
Start	8942	End	10584
GI	14187_1.R1084	Score	1331
Exons	8942..8965, 9072..9143, 9498..9601, 9741..9797, 9884..10076, 10160..10303, 10416..10584		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o9.gp	Method	AAT/GAP
Start	9081	End	10723
GI	14187_1.R1084	Score	1547
Exons	9081..9143, 9498..9601, 9741..9797, 9884..10076, 10160..10303, 10416..10723		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o11.gp	Method	AAT/GAP
Start	9362	End	10958
GI	14187_1.R1084	Score	1826
Exons	9362..9388, 9496..9601, 9741..9797, 9884..10076, 10160..10303, 10416..10958		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52168	Strand	+
Start	2854	End	23043
Name	OJ990504_02.9A01.C25.o10.gp	Method	AAT/GAP
Start	9496	End	10809
GI	14187_1.R1084	Score	1582
Exons	9496..9601, 9741..9797, 9884..10076, 10160..10303, 10416..10809		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52169	Strand	+
Start	28680	End	30630
Name	OJ990504_02.9A01.C25.o4.gs	Method	GENSCAN
Start	28680	End	30630
GI	none	Score	.69
Exons	28680..28748, 29741..29793, 30405..30479, 30540..30630		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52169	Strand	+
Start	28680	End	30630
Name	OJ990504_02.9A01.C25.o13.gp	Method	AAT/GAP
Start	29231	End	29403

GI	LIB3433-026-P1-K1-C1	Score	254
Exons	29231..29403		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52170	Strand	+
Start	31975	End	32382
Name	OJ990504_02.9A01.C25.o14.gp	Method	AAT/GAP
Start	31975	End	32382
GI	none	Score	751
Exons	31975..32382		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52171	Strand	-
Start	1216	End	1346
Name	OJ990504_02.9A01.C25.o1.gp	Method	AAT/GAP
Start	1216	End	1346
GI	LIB3433-034-P1-K1-B9	Score	220
Exons	1216..1346		
GI Descrip.	'5107157/gb|AAD39991.1|AF150084_1 2.0e-20 (AF150084) small zinc finger-like protein [Malus domestica]'		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52172	Strand	-
Start	25925	End	30034
Name	OJ990504_02.9A01.C25.o3.gs	Method	GENSCAN
Start	25925	End	27640
GI	none	Score	.77
Exons	25925..26264, 26281..26390, 27056..27198, 27229..27412, 27518..27640		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52172	Strand	-
Start	25925	End	30034
Name	OJ990504_02.9A01.C25.o2.np	Method	AAT/NAP
Start	25928	End	30034
GI	6815053	Score	765
Exons	25928..26165, 26215..26390, 29888..30034		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	4775	End	19392
GI	none	Score	114
Exons	4775..4888, 4804..4890, 4807..4890, 5008..5100, 5044..5100, 5871..6071, 5873..6070, 5874..6071, 5875..6072, 6320..6433, 6321..6440, 6321..6440, 6322..6441, 6526..6681, 6530..6682, 6531..6683, 6532..6687, 6822..6908, 6824..6895, 6990..7136, 6997..7140, 6998..7183, 7257..7307, 7257..7307, 7259..7312, 7381..7437, 7383..7448, 7993..8154, 7996..8154, 7997..8161, 7998..8156, 8825..8968, 8840..8965, 8845..8967, 9030..9131, 9071..9142, 9072..9143, 9073..9144, 9478..9597, 9496..9597, 9497..9598, 9497..9604, 9739..9798, 9739..9798, 9881..10087, 9885..10088, 9885..10109, 10154..10306, 10154..10303,		

10165..10305, 10358..10537, 10373..10528, 10407..10538,
10413..10538, 12108..12206, 12287..12364, 12306..12365,
13908..14075, 13909..14076, 13910..14077, 14460..14570,
14461..14580, 14669..14830, 14694..14831, 14694..14843,
14695..14835, 15181..15306, 15203..15277, 15205..15288,
15338..15508, 15349..15480, 15353..15496, 15354..15515,
15579..15629, 15581..15631, 15717..15770, 15720..15770,
15915..16061, 15925..16059, 15926..16060, 15934..16074,
16552..16671, 16554..16715, 16562..16687, 16806..16877,
17867..17971, 17875..17973, 18266..18322, 18266..18319,
18413..18610, 18414..18611, 18415..18612, 18417..18614,
18822..18980, 18827..18976, 19288..19392, 19290..19391

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o3.tc	Method	TBLASTX:Cress
Start	4820	End	14026
GI	none	Score	75

Exons 4820..4888, 5043..5099, 5044..5100, 5871..6020, 5875..6021,
12167..12211, 12168..12206, 12306..12365, 12308..12364,
13909..14025, 13910..14026

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o1.ts	Method	TBLASTX:Soybean
Start	5875	End	18980
GI	none	Score	215

Exons 5875..6024, 5875..6021, 5880..6023, 6020..6070, 6021..6071,
6025..6072, 6321..6431, 6322..6441, 6541..6681, 6542..6682,
6544..6687, 6822..6908, 6824..6895, 6997..7152, 6998..7201,
7256..7312, 7257..7307, 7381..7437, 7383..7448, 7993..8154,
7995..8153, 8170..8214, 8825..8968, 8845..8958, 9068..9139,
9072..9143, 9495..9599, 9496..9597, 9497..9613, 9497..9604,
9729..9773, 9739..9795, 9739..9792, 9878..9982, 9881..9958,
9882..10052, 9882..9983, 10026..10058, 10235..10306,
10407..10523, 13910..14026, 13910..14026, 14029..14076,
14030..14077, 14460..14570, 14461..14580, 14689..14835,
14775..14843, 15203..15277, 15205..15288, 15338..15508,
15349..15477, 15353..15496, 15578..15628, 15579..15629,
15862..15960, 15915..16061, 15926..16060, 15933..16067,
16544..16672, 16553..16654, 16554..16673, 16554..16676,
16806..16877, 17860..17958, 17867..17971, 17875..17973,
18265..18300, 18265..18318, 18266..18322, 18411..18509,
18414..18581, 18418..18585, 18822..18881, 18903..18980

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o2.tw	Method	TBLASTX:Wheat
Start	7290	End	16687
GI	none	Score	39

Exons 7290..7307, 7381..7437, 7383..7448, 7993..8154, 7996..8154,
7997..8161, 7998..8171, 7998..8156, 8825..8968, 8845..8967,
8847..8972, 9072..9092, 15911..16060, 15915..16061,
16552..16677, 16554..16673, 16555..16677, 16562..16687

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o1.tc	Method	TBLASTX:Cress
Start	7954	End	17922
GI	none	Score	214
Exons	7954..8157, 7998..8144, 8825..8989, 8839..8949, 9072..9143, 15926..16060, 15930..16061, 15933..16073, 16553..16687, 16554..16682, 16806..16877, 17875..17922		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o2.tc	Method	TBLASTX:Cress
Start	9524	End	18968
GI	none	Score	83
Exons	9524..9604, 9739..9795, 9739..9792, 9882..10031, 9884..9979, 10011..10097, 10154..10264, 10225..10296, 10235..10303, 10388..10501, 10407..10520, 17923..17973, 18057..18131, 18266..18322, 18266..18322, 18418..18516, 18420..18509, 18903..18968		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o1.tw	Method	TBLASTX:Wheat
Start	9736	End	18612
GI	none	Score	96
Exons	9736..9798, 9737..9799, 9739..9798, 9869..10045, 9881..10087, 9885..10088, 18263..18319, 18264..18320, 18264..18326, 18266..18322, 18411..18608, 18413..18604, 18414..18608, 18415..18612		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o5.gs	Method	GENSCAN
Start	31619	End	33129
GI	none	Score	.66
Exons	31619..31785, 32856..33129		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o2.ts	Method	TBLASTX:Soybean
Start	32371	End	33132
GI	none	Score	70
Exons	32371..32481, 32382..32462, 32854..33132, 32855..33025		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o2.tm	Method	TBLASTX:Maize
Start	32849	End	33150
GI	none	Score	211
Exons	32849..33025, 32849..33052, 32851..33054, 32851..33150,		

33058..33105, 33106..33150

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o15.gp	Method	AAT/GAP
Start	32874	End	35446
GI	none	Score	736
Exons	32874..33139, 35319..35446		

Seq. No.	25152	Seq. ID	OJ990504_02.9A01.C25
Gene No.	52173	Strand	-
Start	31619	End	35446
Name	OJ990504_02.9A01.C25.o6.gs	Method	GENSCAN
Start	33977	End	35373
GI	none	Score	.58
Exons	33977..34133, 35319..35373		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52174	Strand	+
Start	413	End	1259
Name	OJ990504_02.9A01.C26.o1.gs	Method	GENSCAN
Start	413	End	1259
GI	none	Score	.78
Exons	413..610, 1107..1259		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52175	Strand	+
Start	2043	End	2310
Name	OJ990504_02.9A01.C26.o2.gp	Method	AAT/GAP
Start	2043	End	2310
GI	LIB3434-035-P1-K1-A7	Score	452
Exons	2043..2310		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52176	Strand	+
Start	7205	End	11250
Name	OJ990504_02.9A01.C26.o3.np	Method	AAT/NAP
Start	7205	End	11250
GI	6630556	Score	992
Exons	7205..7271, 7525..7652, 8124..8178, 8761..8957, 9342..9463, 9547..9700, 10007..10075, 10492..10638, 10731..10776, 10876..10928, 11089..11250		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52176	Strand	+
Start	7205	End	11250
Name	OJ990504_02.9A01.C26.o5.gs	Method	GENSCAN
Start	10011	End	11233
GI	none	Score	.86
Exons	10011..10019, 11089..11233		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26

Gene No.	52177	Strand	-
Start	400	End	628
Name	OJ990504_02.9A01.C26.o1.gp	Method	AAT/GAP
Start	400	End	628
GI	none	Score	409
Exons	400..628		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52178	Strand	-
Start	2482	End	4268
Name	OJ990504_02.9A01.C26.o2.gs	Method	GENSCAN
Start	2482	End	4268
GI	none	Score	.87
Exons	2482..3134, 4004..4268		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52179	Strand	-
Start	4731	End	5996
Name	OJ990504_02.9A01.C26.o1.np	Method	AAT/NAP
Start	4731	End	5724
GI	6069646	Score	423
Exons	4731..5724		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52179	Strand	-
Start	4731	End	5996
Name	OJ990504_02.9A01.C26.o3.gs	Method	GENSCAN
Start	4731	End	5996
GI	none	Score	.52
Exons	4731..5024, 5357..5557, 5733..5845, 5933..5996		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52180	Strand	-
Start	6674	End	7019
Name	OJ990504_02.9A01.C26.o4.tw	Method	TBLASTX:Wheat
Start	4746	End	5150
GI	none	Score	104
Exons	4746..4997, 5004..5150		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52180	Strand	-
Start	6674	End	7019
Name	OJ990504_02.9A01.C26.o2.tm	Method	TBLASTX:Maize
Start	4749	End	5312
GI	none	Score	120
Exons	4749..4976, 5004..5312, 5104..5262		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52180	Strand	-
Start	6674	End	7019
Name	OJ990504_02.9A01.C26.o1.tw	Method	TBLASTX:Wheat
Start	5157	End	5533

GI	none	Score	105
Exons	5157..5318, 5396..5533		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52180	Strand	-
Start	6674	End	7019
Name	OJ990504_02.9A01.C26.o3.tm	Method	TBLASTX:Maize
Start	5622	End	6008
GI	none	Score	121
Exons	5622..6008, 5647..6006		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52180	Strand	-
Start	6674	End	7019
Name	OJ990504_02.9A01.C26.o2.tw	Method	TBLASTX:Wheat
Start	5697	End	6018
GI	none	Score	46
Exons	5697..5852, 5701..5790, 5841..6008, 5842..6018		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52180	Strand	-
Start	6674	End	7019
Name	OJ990504_02.9A01.C26.o4.gs	Method	GENSCAN
Start	6674	End	7019
GI	none	Score	.7
Exons	6674..6754, 6843..7019		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52181	Strand	
Start	7505	End	11247
Name	OJ990504_02.9A01.C26.o1.tm	Method	TBLASTX:Maize
Start	7505	End	11244
GI	none	Score	96
Exons	7505..7657, 7572..7652, 8121..8180, 8122..8184, 8124..8204, 8759..8956, 8760..8957, 8760..8996, 9341..9460, 9342..9461, 9558..9701, 9565..9699, 9566..9706, 9604..9717, 9626..9706, 10004..10090, 10006..10077, 10491..10634, 10492..10650, 10728..10778, 10730..10762, 10856..10930, 10869..10928, 11045..11236, 11085..11237, 11087..11236, 11107..11244		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52181	Strand	
Start	7505	End	11247
Name	OJ990504_02.9A01.C26.o1.tc	Method	TBLASTX:Cress
Start	7584	End	8906
GI	none	Score	69
Exons	7584..7652, 8124..8177, 8759..8905, 8760..8906		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52181	Strand	
Start	7505	End	11247
Name	OJ990504_02.9A01.C26.o1.ts	Method	TBLASTX:Soybean
Start	8760	End	11244
GI	none	Score	206
Exons	8760..8909, 8762..8905, 8909..8956, 8910..8957, 9342..9452, 9557..9706, 9559..9738, 10004..10090, 10484..10636, 10485..10637, 10491..10649, 10492..10650, 10727..10759,		

10728..10778, 10869..10928, 11088..11234, 11107..11244

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52181	Strand	
Start	7505	End	11247
Name	OJ990504_02.9A01.C26.o3.tw	Method	TBLASTX:Wheat
Start	11078	End	11244
GI	none	Score	157
Exons	11078..11236, 11085..11237, 11087..11236, 11107..11244		

Seq. No.	25153	Seq. ID	OJ990504_02.9A01.C26
Gene No.	52181	Strand	
Start	7505	End	11247
Name	OJ990504_02.9A01.C26.o2.tc	Method	TBLASTX:Cress
Start	11081	End	11247
GI	none	Score	71
Exons	11081..11233, 11088..11219, 11107..11247		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52182	Strand	+
Start	1	End	2419
Name	OJ990504_02.9A01.C27.o1.np	Method	AAT/NAP
Start	1	End	2419
GI	6630556	Score	621
Exons	1..141, 243..314, 740..846, 1152..1208, 1300..1492, 1674..1817, 2263..2419		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52182	Strand	+
Start	1	End	2419
Name	OJ990504_02.9A01.C27.o1.gs	Method	GENSCAN
Start	243	End	1871
GI	none	Score	.73
Exons	243..314, 740..846, 1152..1262, 1300..1492, 1674..1871		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2349
GI	none	Score	82
Exons	1..141, 21..143, 21..143, 22..144, 237..326, 775..846, 1149..1184, 1149..1223, 1150..1230, 1294..1389, 1297..1389, 1301..1474, 1668..1730, 1752..1817, 2260..2349, 2262..2348		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o1.tc	Method	TBLASTX:Cress
Start	7	End	326
GI	none	Score	204
Exons	7..168, 18..125, 237..326		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-

Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o2.tw	Method	TBLASTX:Wheat
Start	7	End	144
GI	none	Score	215
Exons	7..144, 21..143		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o1.tm	Method	TBLASTX:Maize
Start	7	End	2355
GI	none	Score	222
Exons	7..168, 21..143, 233..325, 237..326, 737..763, 771..839, 772..846, 784..843, 1148..1201, 1149..1226, 1150..1230, 1150..1233, 1297..1494, 1298..1495, 1668..1817, 1676..1816, 2260..2355		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o1.tw	Method	TBLASTX:Wheat
Start	1138	End	1499
GI	none	Score	105
Exons	1138..1230, 1144..1209, 1297..1491, 1298..1495, 1323..1499		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o2.gs	Method	GENSCAN
Start	2207	End	7098
GI	none	Score	.59
Exons	2207..2293, 3355..3442, 3544..3681, 4128..4161, 5397..5503, 5925..6024, 6184..6298, 6499..6633, 6763..6818, 6912..7098		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o2.tc	Method	TBLASTX:Cress
Start	3213	End	3448
GI	none	Score	60
Exons	3213..3278, 3229..3276, 3352..3447, 3353..3445, 3353..3448		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o3.tm	Method	TBLASTX:Maize
Start	3214	End	3432
GI	none	Score	75
Exons	3214..3273, 3216..3284, 3220..3273, 3355..3429, 3355..3432, 3356..3430		

Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o1.gp	Method	AAT/GAP
Start	3354	End	5704
GI	9263_1.R1084	Score	1026

Exons	3354..3442, 3544..3681, 4128..4179, 4284..4383, 5071..5146, 5222..5309, 5397..5452, 5617..5704		
GI Descrip.	'5817065/emb|CAB53665.1| 6.0e-11 (AL110160) hypothetical protein [Homo sapiens]'		
Seq. No.	25154	Seq. ID	OJ990504_02.9A01.C27
Gene No.	52183	Strand	-
Start	2207	End	7098
Name	OJ990504_02.9A01.C27.o2.tm	Method	TBLASTX:Maize
Start	5275	End	6290
GI	none	Score	51
Exons	5275..5307, 5276..5308, 5388..5480, 5398..5454, 5399..5491, 5597..5710, 5613..5726, 5616..5726, 5617..5733, 5727..5792, 5728..5799, 5729..5785, 5730..5804, 5914..6027, 5924..6028, 5927..6025, 6188..6289, 6189..6290		
Seq. No.	25155	Seq. ID	OJ990504_02.9A01.C28
Gene No.	52184	Strand	+
Start	140	End	557
Name	OJ990504_02.9A01.C28.o1.gs	Method	GENSCAN
Start	140	End	557
GI	none	Score	.42
Exons	140..267, 469..557		
Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52185	Strand	-
Start	1	End	1918
Name	OJ990504_02.9A01.C29.o1.np	Method	AAT/NAP
Start	1	End	1918
GI	6069646	Score	742
Exons	1..962, 1251..1918		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o2.tm	Method	TBLASTX:Maize
Start	62	End	566
GI	none	Score	71
Exons	62..208, 230..466, 234..464, 239..466, 479..565, 480..566		
Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o4.tm	Method	TBLASTX:Maize
Start	1017	End	1540
GI	none	Score	93
Exons	1017..1100, 1141..1377, 1390..1539, 1436..1540		
Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o1.tm	Method	TBLASTX:Maize

Start	1542	End	2092
GI	none	Score	62
Exons	1542..1676, 1591..1677, 1695..1901, 1696..1911, 1955..2092, 1968..2072		

Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o3.tm	Method	TBLASTX:Maize
Start	2264	End	2575
GI	none	Score	100
Exons	2264..2575, 2273..2551, 2274..2561		

Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o2.np	Method	AAT/NAP
Start	4474	End	6464
GI	2618693	Score	73
Exons	4474..4518, 6074..6464		
GI Descrip.	(AC002510) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o5.tm	Method	TBLASTX:Maize
Start	6039	End	6371
GI	none	Score	66
Exons	6039..6158, 6147..6200, 6210..6326, 6327..6371		

Seq. No.	25156	Seq. ID	OJ990504_02.9A01.C29
Gene No.	52186	Strand	-
Start	4474	End	6464
Name	OJ990504_02.9A01.C29.o1.tw	Method	TBLASTX:Wheat
Start	6105	End	6386
GI	none	Score	65
Exons	6105..6323, 6235..6324, 6330..6386		

Seq. No.	25157	Seq. ID	OJ990504_02.9A01.C30
Gene No.	52187	Strand	+
Start	782	End	5355
Name	OJ990504_02.9A01.C30.o1.tm	Method	TBLASTX:Maize
Start	79	End	493
GI	none	Score	142
Exons	79..225, 213..443, 233..421, 235..471, 281..493, 315..440		

Seq. No.	25157	Seq. ID	OJ990504_02.9A01.C30
Gene No.	52187	Strand	+
Start	782	End	5355
Name	OJ990504_02.9A01.C30.o1.tw	Method	TBLASTX:Wheat
Start	91	End	558
GI	none	Score	88
Exons	91..189, 235..279, 268..558, 287..397		

Seq. No.	25157	Seq. ID	OJ990504_02.9A01.C30
Gene No.	52187	Strand	+

Start	782	End	5355
Name	OJ990504_02.9A01.C30.o1.ts	Method	TBLASTX:Soybean
Start	265	End	573
GI	none	Score	82
Exons	265..450, 287..388, 439..573		

Seq. No.	25157	Seq. ID	OJ990504_02.9A01.C30
Gene No.	52187	Strand	+
Start	782	End	5355
Name	OJ990504_02.9A01.C30.o1.gs	Method	GENSCAN
Start	782	End	5355
GI	none	Score	.54
Exons	782..961, 2496..2636, 2748..2875, 3051..3225, 3399..3815, 3999..4029, 4308..4336, 4591..4712, 4876..5010, 5309..5355		

Seq. No.	25157	Seq. ID	OJ990504_02.9A01.C30
Gene No.	52187	Strand	+
Start	782	End	5355
Name	OJ990504_02.9A01.C30.o2.np	Method	AAT/NAP
Start	1721	End	1922
GI	3738297	Score	77
Exons	1721..1922		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	25158	Seq. ID	OJ990504_02.9A01.C31
Gene No.	52188	Strand	-
Start	1131	End	1444
Name	OJ990504_02.9A01.C31.o1.gs	Method	GENSCAN
Start	1131	End	1444
GI	none	Score	.69
Exons	1131..1214, 1392..1444		

Seq. No.	25159	Seq. ID	OJ990504_02.9A01.C32
Gene No.	52189	Strand	+
Start	426	End	3466
Name	OJ990504_02.9A01.C32.o1.gs	Method	GENSCAN
Start	426	End	3466
GI	none	Score	.79
Exons	426..573, 1101..1191, 1615..1708, 2392..2475, 2749..2821, 2979..3180, 3289..3466		

Seq. No.	25160	Seq. ID	OJ990414_05.9A08.C1
Gene No.	52190	Strand	+
Start	1	End	137
Name	OJ990414_05.9A08.C1.o1.gp	Method	AAT/GAP
Start	1	End	137
GI	2310235	Score	209
Exons	1..137		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25160	Seq. ID	OJ990414_05.9A08.C1
Gene No.	52190	Strand	+
Start	1	End	137
Name	OJ990414_05.9A08.C1.o1.np	Method	AAT/NAP
Start	1	End	137
GI	5852182	Score	156

Exons	1..137		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	25161	Seq. ID	OJ990414_05.9A08.C2
Gene No.	52191	Strand	+
Start	2523	End	4722
Name	OJ990414_05.9A08.C2.o1.gs	Method	GENSCAN
Start	2523	End	4722
GI	none	Score	.64
Exons	2523..2615, 2689..2709, 3708..3781, 3951..4143, 4229..4463, 4560..4722		
Seq. No.	25161	Seq. ID	OJ990414_05.9A08.C2
Gene No.	52191	Strand	+
Start	2523	End	4722
Name	OJ990414_05.9A08.C2.o1.ts	Method	TBLASTX:Soybean
Start	3991	End	4416
GI	none	Score	85
Exons	3991..4059, 4226..4414, 4237..4416		
Seq. No.	25162	Seq. ID	OJ990414_05.9A08.C3
Gene No.	52192	Strand	-
Start	270	End	366
Name	OJ990414_05.9A08.C3.o1.gs	Method	GENSCAN
Start	270	End	366
GI	none	Score	.76
Exons	270..366		
Seq. No.	25163	Seq. ID	OJ990414_05.9A08.C5
Gene No.	52193	Strand	-
Start	1	End	886
Name	OJ990414_05.9A08.C5.o1.np	Method	AAT/NAP
Start	1	End	886
GI	4680204	Score	209
Exons	1..426, 522..707, 742..886		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	25163	Seq. ID	OJ990414_05.9A08.C5
Gene No.	52193	Strand	-
Start	1	End	886
Name	OJ990414_05.9A08.C5.o2.np	Method	AAT/NAP
Start	1	End	886
GI	6742729	Score	81
Exons	1..38, 729..886		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	25163	Seq. ID	OJ990414_05.9A08.C5
Gene No.	52193	Strand	-
Start	1	End	886
Name	OJ990414_05.9A08.C5.o1.gs	Method	GENSCAN
Start	17	End	808
GI	none	Score	.71
Exons	17..159, 285..373, 687..808		
Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52194	Strand	+
Start	22389	End	25202

Name	OJ990414_05.9A08.C7.o4.gs	Method	GENSCAN
Start	22389	End	25202
GI	none	Score	.62
Exons	22389..22594, 22953..23094, 23282..23432, 23620..23872, 24298..24406, 24411..24506, 24747..25202		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52194	Strand	+
Start	22389	End	25202
Name	OJ990414_05.9A08.C7.o10.np	Method	AAT/NAP
Start	23342	End	24706
GI	2281641	Score	111
Exons	23342..23519, 24459..24706		
GI Descrip.	(AF003101) AP2 domain containing protein RAP2.8 [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52195	Strand	+
Start	25339	End	28125
Name	OJ990414_05.9A08.C7.o11.np	Method	AAT/NAP
Start	25339	End	28125
GI	4680203	Score	1732
Exons	25339..25400, 26624..28125		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52195	Strand	+
Start	25339	End	28125
Name	OJ990414_05.9A08.C7.o1.gp	Method	AAT/GAP
Start	26132	End	26757
GI	2310235	Score	303
Exons	26132..26169, 26618..26757		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52195	Strand	+
Start	25339	End	28125
Name	OJ990414_05.9A08.C7.o2.gp	Method	AAT/GAP
Start	26622	End	28066
GI	342_1.R1084	Score	2280
Exons	26622..28066		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52196	Strand	-
Start	1739	End	15216
Name	OJ990414_05.9A08.C7.o2.gs	Method	GENSCAN
Start	1739	End	15216
GI	none	Score	.62
Exons	1739..1798, 2111..2239, 2356..2623, 2787..3109, 3405..3521, 3611..3706, 4177..4350, 4479..4645, 5202..5367, 5442..5580, 5663..5855, 6128..6303, 7155..7345, 8696..8888, 10280..10398, 12215..12404, 12548..12653, 13874..13944, 14897..15216		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7

Gene No.	52196	Strand	-
Start	1739	End	15216
Name	OJ990414_05.9A08.C7.o2.np	Method	AAT/NAP
Start	2297	End	6287
GI	5103843	Score	1901
Exons	2297..2623, 2787..3130, 3417..3521, 3611..3706, 4177..4350, 4479..4645, 5202..5367, 5442..5580, 5663..5855, 5969..6051, 6169..6287		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52196	Strand	-
Start	1739	End	15216
Name	OJ990414_05.9A08.C7.o3.np	Method	AAT/NAP
Start	2315	End	6272
GI	4049353	Score	1840
Exons	2315..2623, 2787..3112, 3344..3521, 3611..3706, 4177..4350, 4479..4645, 5202..5388, 5442..5580, 5663..5858, 5969..6076, 6167..6272		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o1.ts	Method	TBLASTX:Soybean
Start	2117	End	20026
GI	none	Score	73
Exons	2117..2197, 2368..2625, 2377..2541, 2426..2626, 2438..2629, 2786..3064, 2817..3032, 3041..3121, 3042..3110, 3384..3515, 3400..3516, 3617..3712, 3618..3713, 4177..4233, 18013..18090, 18264..18521, 18273..18437, 18322..18522, 18334..18525, 18681..18959, 18684..18926, 18712..18927, 18936..19016, 18937..19005, 19292..19411, 19307..19405, 19507..19602, 19508..19603, 19970..20026		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o2.tm	Method	TBLASTX:Maize
Start	2392	End	18893
GI	none	Score	255
Exons	2392..2427, 2423..2653, 2426..2626, 2773..2994, 2786..2998, 2808..2996, 18288..18323, 18319..18525, 18322..18522, 18668..18889, 18681..18893, 18703..18891		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o2.tc	Method	TBLASTX:Cress
Start	2500	End	18954
GI	none	Score	75
Exons	2500..2625, 2501..2632, 2763..2993, 2786..3025, 2786..3052, 2805..3059, 18349..18393, 18396..18521, 18397..18528, 18681..18920, 18681..18947, 18700..18954		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7

Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o4.tm	Method	TBLASTX:Maize
Start	2999	End	20349
GI	none	Score	133
Exons	2999..3109, 3000..3110, 3002..3112, 3405..3542, 3405..3512, 3418..3519, 3419..3544, 3608..3706, 3611..3706, 3612..3707, 3613..3708, 4160..4351, 4174..4353, 4477..4560, 4477..4557, 4479..4559, 18894..19004, 18895..19005, 19268..19411, 19295..19435, 19498..19596, 19501..19596, 19502..19597, 19502..19597, 19953..20138, 19967..20182, 20266..20349, 20268..20348		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o4.tc	Method	TBLASTX:Cress
Start	3611	End	20182
GI	none	Score	101
Exons	3611..3703, 3618..3695, 4160..4354, 4177..4374, 4199..4375, 19501..19593, 19508..19585, 19970..20182, 19974..20138		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o4.ts	Method	TBLASTX:Soybean
Start	4234	End	20448
GI	none	Score	111
Exons	4234..4353, 4235..4339, 4425..4463, 4452..4649, 4452..4646, 4453..4659, 20027..20197, 20028..20132, 20241..20435, 20242..20448		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o5.tc	Method	TBLASTX:Cress
Start	4479	End	20438
GI	none	Score	107
Exons	4479..4649, 20263..20433, 20268..20438		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o2.ts	Method	TBLASTX:Soybean
Start	5209	End	21571
GI	none	Score	47
Exons	5209..5373, 5210..5368, 5442..5579, 5443..5580, 5662..5733, 5663..5722, 21048..21212, 21049..21207, 21281..21418, 21282..21419, 21500..21571, 21501..21560		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o1.tc	Method	TBLASTX:Cress
Start	5338	End	21692
GI	none	Score	36
Exons	5338..5373, 5339..5368, 5442..5579, 5443..5580, 5653..5823,		

5662..5838, 5663..5854, 21180..21212, 21281..21418,
21282..21419, 21491..21661, 21500..21676, 21501..21692

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o1.tm	Method	TBLASTX:Maize
Start	5442	End	22099
GI	none	Score	93
Exons	5442..5579, 5443..5580, 5445..5597, 5662..5859, 5666..5857, 5958..6056, 5971..6054, 6169..6276, 21281..21418, 21282..21419, 21500..21697, 21504..21695, 21797..21895, 21810..21893, 21946..22077, 21992..22099		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o5.ts	Method	TBLASTX:Soybean
Start	5782	End	22077
GI	none	Score	61
Exons	5782..5859, 5783..5857, 5970..6056, 5971..6054, 6169..6255, 21620..21697, 21621..21695, 21797..21895, 21810..21893, 21946..22077		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o3.gs	Method	GENSCAN
Start	16120	End	21874
GI	none	Score	.76
Exons	16120..16283, 17239..17256, 17451..17625, 18007..18135, 18252..18519, 18682..19004, 19295..19411, 19501..19596, 19970..20143, 21281..21419, 21501..21693, 21808..21874		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o4.np	Method	AAT/NAP
Start	17959	End	21114
GI	5103843	Score	1324
Exons	17959..18128, 18240..18519, 18682..19025, 19307..19411, 19501..19596, 19970..20143, 20268..20434, 21041..21114		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o5.np	Method	AAT/NAP
Start	17959	End	21276
GI	5103843	Score	1417
Exons	17959..18128, 18240..18519, 18682..19025, 19307..19411, 19501..19596, 19970..20143, 20268..20434, 21041..21276		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7

Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o8.np	Method	AAT/NAP
Start	17962	End	22013
GI	5103843	Score	1903
Exons	17962..18128, 18240..18519, 18682..19025, 19307..19411, 19501..19596, 19970..20143, 20268..20434, 21041..21206, 21281..21419, 21501..21693, 21808..21890, 21992..22013		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o6.np	Method	AAT/NAP
Start	17983	End	21587
GI	4049353	Score	1635
Exons	17983..18150, 18230..18519, 18682..19006, 19233..19411, 19501..19596, 19970..20143, 20268..20434, 21041..21227, 21281..21419, 21501..21587		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52197	Strand	-
Start	16120	End	22099
Name	OJ990414_05.9A08.C7.o7.np	Method	AAT/NAP
Start	17983	End	21676
GI	4049353	Score	1773
Exons	17983..18150, 18230..18519, 18682..19006, 19233..19411, 19501..19596, 19970..20143, 20268..20434, 21041..21227, 21281..21419, 21501..21676		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52198	Strand	
Start	26925	End	27321
Name	OJ990414_05.9A08.C7.o2.tw	Method	TBLASTX:Wheat
Start	26925	End	27321
GI	none	Score	95
Exons	26925..27077, 26944..27063, 27060..27311, 27061..27303, 27068..27310, 27079..27321		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52199	Strand	
Start	27242	End	28005
Name	OJ990414_05.9A08.C7.o3.ts	Method	TBLASTX:Soybean
Start	27242	End	27671
GI	none	Score	103
Exons	27242..27325, 27243..27317, 27318..27380, 27375..27671, 27429..27653		

Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52199	Strand	
Start	27242	End	28005
Name	OJ990414_05.9A08.C7.o3.tc	Method	TBLASTX:Cress
Start	27404	End	27719
GI	none	Score	277

Exons	27404..27556, 27411..27719, 27596..27691		
Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52199	Strand	
Start	27242	End	28005
Name	OJ990414_05.9A08.C7.o1.tw	Method	TBLASTX:Wheat
Start	27540	End	28005
GI	none	Score	72
Exons	27540..27593, 27548..27592, 27594..27698, 27605..27694, 27712..27798, 27713..27799, 27779..28003, 27801..28004, 27802..28005		
Seq. No.	25164	Seq. ID	OJ990414_05.9A08.C7
Gene No.	52199	Strand	
Start	27242	End	28005
Name	OJ990414_05.9A08.C7.o3.tm	Method	TBLASTX:Maize
Start	27597	End	27997
GI	none	Score	99
Exons	27597..27719, 27713..27838, 27848..27997		
Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52200	Strand	+
Start	41	End	2236
Name	OJ990414_05.9A08.C8.o1.gs	Method	GENSCAN
Start	41	End	2236
GI	none	Score	.92
Exons	41..80, 97..237, 311..453, 455..1140, 1248..1421, 1516..1564, 2057..2236		
Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52201	Strand	+
Start	2344	End	2448
Name	OJ990414_05.9A08.C8.o1.gp	Method	AAT/GAP
Start	2344	End	2448
GI	LIB3477-003-P1-K1-E9	Score	141
Exons	2344..2448		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52202	Strand	+
Start	11855	End	11948
Name	OJ990414_05.9A08.C8.o2.gp	Method	AAT/GAP
Start	11855	End	11948
GI	uC-osf1cyp022c06b2	Score	143
Exons	11855..11948		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52203	Strand	+
Start	12909	End	15113
Name	OJ990414_05.9A08.C8.o4.gs	Method	GENSCAN
Start	12909	End	15113
GI	none	Score	.95
Exons	12909..13411, 14120..15113		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52203	Strand	+
Start	12909	End	15113
Name	OJ990414_05.9A08.C8.o2.np	Method	AAT/NAP
Start	12930	End	15110
GI	4415924	Score	1036
Exons	12930..13428, 14135..15110		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52204	Strand	+
Start	16164	End	19477
Name	OJ990414_05.9A08.C8.o5.gs	Method	GENSCAN
Start	16164	End	19427
GI	none	Score	.77
Exons	16164..16675, 16949..17613, 19227..19427		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52204	Strand	+
Start	16164	End	19477
Name	OJ990414_05.9A08.C8.o3.np	Method	AAT/NAP
Start	16202	End	17939
GI	4415920	Score	998
Exons	16202..16675, 16949..17939		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52204	Strand	+
Start	16164	End	19477
Name	OJ990414_05.9A08.C8.o3.gp	Method	AAT/GAP
Start	19189	End	19477
GI	2312486	Score	555
Exons	19189..19477		
GI Descrip.	4415923/gb|AAD20154| 1.0e-14 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52204	Strand	+
Start	16164	End	19477
Name	OJ990414_05.9A08.C8.o4.np	Method	AAT/NAP
Start	19262	End	19477
GI	4415924	Score	128
Exons	19262..19477		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52205	Strand	-
Start	2783	End	3115
Name	OJ990414_05.9A08.C8.o2.gs	Method	GENSCAN
Start	2783	End	3115
GI	none	Score	.55
Exons	2783..3115		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426

Name	OJ990414_05.9A08.C8.o3.gs	Method	GENSCAN
Start	7300	End	12656
GI	none	Score	.49
Exons	7300..7365, 7677..7778, 9620..10167, 10254..11193, 12487..12524, 12590..12656		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o1.np	Method	AAT/NAP
Start	9593	End	11111
GI	4415922	Score	798
Exons	9593..11111		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o1.ts	Method	TBLASTX:Soybean
Start	9779	End	17741
GI	none	Score	132
Exons	9779..10084, 9900..10022, 10106..10132, 10153..10248, 14247..14645, 14249..14335, 14378..14608, 14643..14912, 14663..14911, 17079..17189, 17082..17198, 17178..17465, 17192..17485, 17193..17474, 17468..17740, 17472..17741, 17478..17741		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o2.tw	Method	TBLASTX:Wheat
Start	9869	End	17753
GI	none	Score	121
Exons	9869..10078, 9876..10013, 14544..14621, 14643..14849, 14649..14924, 14657..14884, 17373..17450, 17471..17692, 17478..17753		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o1.tc	Method	TBLASTX:Cress
Start	9884	End	17705
GI	none	Score	88
Exons	9884..10027, 9900..10010, 10138..10248, 10139..10249, 13281..13379, 14430..14603, 14679..14876, 14690..14875, 14691..14876, 16560..16643, 17106..17243, 17234..17428, 17259..17432, 17504..17650, 17508..17705, 17519..17704		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o2.tm	Method	TBLASTX:Maize
Start	9884	End	17636
GI	none	Score	122
Exons	9884..10051, 9884..10063, 10141..10248, 14454..14606, 14634..14807, 14643..14804, 14663..14806, 17289..17435, 17462..17635, 17463..17636		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o2.ts	Method	TBLASTX:Soybean
Start	10693	End	19420
GI	none	Score	109
Exons	10693..10761, 10816..11067, 12945..13046, 12968..13045, 13056..13235, 13124..13231, 13254..13334, 16233..16484, 16235..16498, 16563..16601, 19283..19420, 19300..19413		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o1.tw	Method	TBLASTX:Wheat
Start	10816	End	19426
GI	none	Score	132
Exons	10816..11076, 12942..13049, 12972..13043, 13049..13243, 13050..13247, 16220..16339, 16230..16511, 16230..16505, 19259..19426, 19297..19425		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o3.tm	Method	TBLASTX:Maize
Start	10843	End	19420
GI	none	Score	67
Exons	10843..10911, 10999..11076, 11014..11076, 11015..11077, 12957..13049, 12968..13048, 13049..13195, 13050..13193, 16230..16457, 16235..16459, 19297..19416, 19298..19420, 19300..19416		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o2.tc	Method	TBLASTX:Cress
Start	11014	End	19420
GI	none	Score	111
Exons	11014..11079, 12948..13046, 12969..13040, 13056..13265, 13064..13264, 16221..16550, 16235..16531, 19298..19420, 19300..19419		

Seq. No.	25165	Seq. ID	OJ990414_05.9A08.C8
Gene No.	52206	Strand	-
Start	7300	End	19426
Name	OJ990414_05.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	14809	End	17936
GI	none	Score	125
Exons	14809..14913, 14814..15107, 14816..15106, 14817..15107, 14953..15108, 17639..17935, 17640..17936, 17640..17936		

Seq. No.	25166	Seq. ID	OJ990414_05.9A08.C9
Gene No.	52207	Strand	+
Start	1	End	379
Name	OJ990414_05.9A08.C9.o1.gp	Method	AAT/GAP
Start	1	End	187
GI	2312486	Score	359

Exons	1..187		
GI Descrip.	4415923/gb|AAD20154| 1.0e-14 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]		
Seq. No.	25166	Seq. ID	OJ990414_05.9A08.C9
Gene No.	52207	Strand	+
Start	1	End	379
Name	OJ990414_05.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	182
GI	none	Score	92
Exons	1..177, 2..178, 3..182, 3..182		
Seq. No.	25166	Seq. ID	OJ990414_05.9A08.C9
Gene No.	52207	Strand	+
Start	1	End	379
Name	OJ990414_05.9A08.C9.o1.np	Method	AAT/NAP
Start	1	End	379
GI	4415920	Score	227
Exons	1..379		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		
Seq. No.	25166	Seq. ID	OJ990414_05.9A08.C9
Gene No.	52207	Strand	+
Start	1	End	379
Name	OJ990414_05.9A08.C9.o1.tc	Method	TBLASTX:Cress
Start	3	End	308
GI	none	Score	211
Exons	3..308		
Seq. No.	25166	Seq. ID	OJ990414_05.9A08.C9
Gene No.	52207	Strand	+
Start	1	End	379
Name	OJ990414_05.9A08.C9.o1.gs	Method	GENSCAN
Start	27	End	346
GI	none	Score	.96
Exons	27..346		
Seq. No.	25167	Seq. ID	OJ990414_05.9A08.C10
Gene No.	52208	Strand	-
Start	1	End	1213
Name	OJ990414_05.9A08.C10.o1.np	Method	AAT/NAP
Start	1	End	1213
GI	5103843	Score	318
Exons	1..289, 577..681, 771..882, 1186..1213		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		
Seq. No.	25167	Seq. ID	OJ990414_05.9A08.C10
Gene No.	52208	Strand	-
Start	1	End	1213
Name	OJ990414_05.9A08.C10.o1.ts	Method	TBLASTX:Soybean
Start	63	End	873
GI	none	Score	119
Exons	63..191, 65..223, 200..280, 201..269, 560..676, 562..675, 777..872, 778..873		
Seq. No.	25167	Seq. ID	OJ990414_05.9A08.C10

Gene No.	52208	Strand	-
Start	1	End	1213
Name	OJ990414_05.9A08.C10.o1.tm	Method	TBLASTX:Maize
Start	117	End	867
GI	none	Score	194
Exons	117..269, 119..268, 128..271, 565..702, 565..672, 578..679, 579..704, 768..866, 771..866, 772..867		

Seq. No.	25167	Seq. ID	OJ990414_05.9A08.C10
Gene No.	52208	Strand	-
Start	1	End	1213
Name	OJ990414_05.9A08.C10.o1.gs	Method	GENSCAN
Start	124	End	875
GI	none	Score	.76
Exons	124..268, 565..681, 771..875		

Seq. No.	25168	Seq. ID	OJ990414_05.9A08.C12
Gene No.	52209	Strand	-
Start	434	End	518
Name	OJ990414_05.9A08.C12.o1.np	Method	AAT/NAP
Start	434	End	518
GI	6721547	Score	75
Exons	434..518		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	25169	Seq. ID	OJ990414_05.9A08.C13
Gene No.	52210	Strand	+
Start	77	End	2005
Name	OJ990414_05.9A08.C13.o1.gs	Method	GENSCAN
Start	77	End	1749
GI	none	Score	.99
Exons	77..310, 411..1749		

Seq. No.	25169	Seq. ID	OJ990414_05.9A08.C13
Gene No.	52210	Strand	+
Start	77	End	2005
Name	OJ990414_05.9A08.C13.o1.gp	Method	AAT/GAP
Start	1412	End	2005
GI	none	Score	1065
Exons	1412..2005		

Seq. No.	25169	Seq. ID	OJ990414_05.9A08.C13
Gene No.	52211	Strand	+
Start	2061	End	2499
Name	OJ990414_05.9A08.C13.o2.gp	Method	AAT/GAP
Start	2061	End	2499
GI	none	Score	838
Exons	2061..2499		

Seq. No.	25169	Seq. ID	OJ990414_05.9A08.C13
Gene No.	52212	Strand	+
Start	7355	End	7447
Name	OJ990414_05.9A08.C13.o3.gp	Method	AAT/GAP
Start	7355	End	7447
GI	5867_1.R1084	Score	132
Exons	7355..7447		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING		

ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	25169	Seq. ID	OJ990414_05.9A08.C13
Gene No.	52213	Strand	-
Start	2229	End	8136
Name	OJ990414_05.9A08.C13.o1.np	Method	AAT/NAP
Start	2229	End	8136
GI	6862938	Score	367
Exons	2229..2492, 2585..2893, 7822..8136		
GI Descrip.	(AC019018) putative non-phototropic hypocotyl [Arabidopsis thaliana]		

Seq. No.	25169	Seq. ID	OJ990414_05.9A08.C13
Gene No.	52213	Strand	-
Start	2229	End	8136
Name	OJ990414_05.9A08.C13.o1.ts	Method	TBLASTX:Soybean
Start	2585	End	7911
GI	none	Score	95
Exons	2585..2671, 2666..2896, 2667..2798, 7822..7911		

Seq. No.	25170	Seq. ID	OJ990414_05.9A08.C14
Gene No.	52214	Strand	-
Start	1	End	458
Name	OJ990414_05.9A08.C14.o1.gp	Method	AAT/GAP
Start	1	End	458
GI	uC-osrocyp011d03b1	Score	904
Exons	1..458		
GI Descrip.	'4415922/gb|AAD20153| 9.0e-38 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]'		

Seq. No.	25170	Seq. ID	OJ990414_05.9A08.C14
Gene No.	52214	Strand	-
Start	1	End	458
Name	OJ990414_05.9A08.C14.o1.gs	Method	GENSCAN
Start	64	End	425
GI	none	Score	.79
Exons	64..425		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52215	Strand	+
Start	1197	End	5103
Name	OJ990414_05.9A08.C15.o1.np	Method	AAT/NAP
Start	1197	End	4422
GI	2244839	Score	1048
Exons	1197..1344, 2469..4126, 4168..4422		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52215	Strand	+
Start	1197	End	5103
Name	OJ990414_05.9A08.C15.o1.gs	Method	GENSCAN
Start	2367	End	5103

GI	none	Score	.55
Exons	2367..3966, 4259..4421, 5004..5103		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o1.tm	Method	TBLASTX:Maize
Start	2598	End	4098
GI	none	Score	46
Exons	2598..2669, 2736..2801, 2745..2936, 2745..3125, 2847..3125, 2850..3032, 2850..3092, 2853..3074, 2894..3115, 3054..3305, 3102..3221, 3126..3218, 3129..3305, 3231..3962, 3231..3521, 3360..3524, 3536..3961, 4030..4098		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o4.ts	Method	TBLASTX:Soybean
Start	2745	End	3527
GI	none	Score	45
Exons	2745..2786, 2820..3068, 2988..3125, 3081..3464, 3383..3526, 3384..3527		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o1.tc	Method	TBLASTX:Cress
Start	2820	End	3644
GI	none	Score	464
Exons	2820..3521, 2853..3143, 2910..3293, 2936..3160, 2963..3553, 3396..3608, 3540..3644		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o1.tw	Method	TBLASTX:Wheat
Start	2850	End	3668
GI	none	Score	149
Exons	2850..3131, 3057..3302, 3086..3301, 3189..3668, 3195..3521, 3347..3667		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o1.ts	Method	TBLASTX:Soybean
Start	3543	End	3968
GI	none	Score	381
Exons	3543..3968, 3543..3932		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o2.tc	Method	TBLASTX:Cress
Start	3831	End	4425
GI	none	Score	98
Exons	3831..3968, 4030..4113, 4149..4424, 4186..4425		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o3.ts	Method	TBLASTX:Soybean
Start	4030	End	4425
GI	none	Score	73
Exons	4030..4116, 4149..4424, 4189..4425, 4276..4425		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o3.tm	Method	TBLASTX:Maize
Start	4180	End	4425
GI	none	Score	245
Exons	4180..4425, 4218..4424		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o2.gs	Method	GENSCAN
Start	5779	End	6074
GI	none	Score	.41
Exons	5779..6074		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o2.np	Method	AAT/NAP
Start	5782	End	6183
GI	4415924	Score	357
Exons	5782..6183		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o2.tm	Method	TBLASTX:Maize
Start	5784	End	6083
GI	none	Score	339
Exons	5784..6077, 5785..6081, 5785..6081, 5985..6083		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o3.tc	Method	TBLASTX:Cress
Start	5800	End	6150
GI	none	Score	80
Exons	5800..5922, 5840..6049, 6016..6150, 6017..6145		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o2.ts	Method	TBLASTX:Soybean
Start	5806	End	6183
GI	none	Score	84
Exons	5806..5970, 5812..5970, 5816..5971, 5974..6183, 6016..6159, 6017..6181		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o1.gp	Method	AAT/GAP
Start	5842	End	6183
GI	2428686	Score	661
Exons	5842..6183		
GI Descrip.	4415922/gb|AAD20153| 9.0e-38 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	25171	Seq. ID	OJ990414_05.9A08.C15
Gene No.	52216	Strand	-
Start	5779	End	6183
Name	OJ990414_05.9A08.C15.o2.tw	Method	TBLASTX:Wheat
Start	5968	End	6183
GI	none	Score	121
Exons	5968..6183, 6026..6181, 6067..6183		

Seq. No.	25172	Seq. ID	OJ990414_05.9A08.C16
Gene No.	52217	Strand	+
Start	1	End	816
Name	OJ990414_05.9A08.C16.o1.np	Method	AAT/NAP
Start	1	End	816
GI	5103843	Score	504
Exons	1..128, 293..572, 684..816		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	25172	Seq. ID	OJ990414_05.9A08.C16
Gene No.	52217	Strand	+
Start	1	End	816
Name	OJ990414_05.9A08.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	524
GI	none	Score	206
Exons	1..129, 1..129, 287..493, 290..490, 489..524		

Seq. No.	25172	Seq. ID	OJ990414_05.9A08.C16
Gene No.	52217	Strand	+
Start	1	End	816
Name	OJ990414_05.9A08.C16.o2.tc	Method	TBLASTX:Cress
Start	3	End	129
GI	none	Score	195
Exons	3..110, 4..129, 4..129		

Seq. No.	25172	Seq. ID	OJ990414_05.9A08.C16
Gene No.	52217	Strand	+
Start	1	End	816
Name	OJ990414_05.9A08.C16.o1.gs	Method	GENSCAN
Start	10	End	805
GI	none	Score	.92
Exons	10..89, 293..560, 677..805		

Seq. No.	25172	Seq. ID	OJ990414_05.9A08.C16
Gene No.	52217	Strand	+
Start	1	End	816
Name	OJ990414_05.9A08.C16.o1.ts	Method	TBLASTX:Soybean

Start	34	End	548
GI	none	Score	144
Exons	34..129, 34..129, 290..490, 291..548, 366..539		

Seq. No.	25172	Seq. ID	OJ990414_05.9A08.C16
Gene No.	52217	Strand	+
Start	1	End	816
Name	OJ990414_05.9A08.C16.o1.tc	Method	TBLASTX:Cress
Start	290	End	542
GI	none	Score	91
Exons	290..538, 290..484, 291..542, 318..527		

Seq. No.	25173	Seq. ID	OJ990414_05.9A08.C17
Gene No.	52218	Strand	-
Start	54	End	116
Name	OJ990414_05.9A08.C17.o1.gs	Method	GENSCAN
Start	54	End	116
GI	none	Score	.66
Exons	54..116		

Seq. No.	25174	Seq. ID	OJ990414_05.9A08.C18
Gene No.	52219	Strand	+
Start	149	End	217
Name	OJ990414_05.9A08.C18.o1.gs	Method	GENSCAN
Start	149	End	217
GI	none	Score	.44
Exons	149..217		

Seq. No.	25175	Seq. ID	OJ990414_05.9A08.C22
Gene No.	52220	Strand	+
Start	79	End	182
Name	OJ990414_05.9A08.C22.o1.gp	Method	AAT/GAP
Start	79	End	182
GI	uC-osflcyp022c06b2	Score	144
Exons	79..182		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	25176	Seq. ID	OJ990604_01.9A15.C2
Gene No.	52221	Strand	-
Start	1	End	902
Name	OJ990604_01.9A15.C2.o1.gp	Method	AAT/GAP
Start	1	End	593
GI	101595_1.R1084	Score	1163
Exons	1..593		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	25176	Seq. ID	OJ990604_01.9A15.C2
Gene No.	52221	Strand	-
Start	1	End	902
Name	OJ990604_01.9A15.C2.o1.np	Method	AAT/NAP
Start	1	End	635
GI	6630696	Score	1076
Exons	1..635		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol		

polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	25176	Seq. ID	OJ990604_01.9A15.C2
Gene No.	52221	Strand	-
Start	1	End	902
Name	OJ990604_01.9A15.C2.o1.gs	Method	GENSCAN
Start	111	End	902
GI	none	Score	.47
Exons	111..902		

Seq. No.	25176	Seq. ID	OJ990604_01.9A15.C2
Gene No.	52221	Strand	-
Start	1	End	902
Name	OJ990604_01.9A15.C2.o1.tm	Method	TBLASTX:Maize
Start	285	End	593
GI	none	Score	111
Exons	285..593, 288..464, 350..493,	364..546	

Seq. No.	25176	Seq. ID	OJ990604_01.9A15.C2
Gene No.	52221	Strand	-
Start	1	End	902
Name	OJ990604_01.9A15.C2.o1.tw	Method	TBLASTX:Wheat
Start	344	End	741
GI	none	Score	152
Exons	344..526, 344..475, 345..629,	364..555, 606..740, 643..741	

Seq. No.	25177	Seq. ID	OJ990604_01.9A15.C5
Gene No.	52222	Strand	+
Start	197	End	482
Name	OJ990604_01.9A15.C5.o1.gs	Method	GENSCAN
Start	197	End	482
GI	none	Score	.83
Exons	197..338, 365..482		

Seq. No.	25178	Seq. ID	OJ990604_01.9A15.C6
Gene No.	52223	Strand	+
Start	153	End	503
Name	OJ990604_01.9A15.C6.o1.gs	Method	GENSCAN
Start	153	End	503
GI	none	Score	.87
Exons	153..198, 370..503		

Seq. No.	25179	Seq. ID	OJ990604_01.9A15.C7
Gene No.	52224	Strand	-
Start	126	End	1950
Name	OJ990604_01.9A15.C7.o1.gs	Method	GENSCAN
Start	126	End	1950
GI	none	Score	.53
Exons	126..303, 500..675, 767..906,	1412..1516, 1567..1633, 1945..1950	

Seq. No.	25180	Seq. ID	OJ990604_01.9A15.C8
Gene No.	52225	Strand	-
Start	441	End	905
Name	OJ990604_01.9A15.C8.o1.gs	Method	GENSCAN
Start	441	End	905
GI	none	Score	.98
Exons	441..905		

Seq. No.	25180	Seq. ID	OJ990604_01.9A15.C8
Gene No.	52226	Strand	-
Start	2229	End	2761
Name	OJ990604_01.9A15.C8.o1.ts	Method	TBLASTX:Soybean
Start	2193	End	2612
GI	none	Score	64
Exons	2193..2405, 2320..2406, 2442..2612, 2445..2612		

Seq. No.	25180	Seq. ID	OJ990604_01.9A15.C8
Gene No.	52226	Strand	-
Start	2229	End	2761
Name	OJ990604_01.9A15.C8.o1.np	Method	AAT/NAP
Start	2229	End	2761
GI	6002712	Score	201
Exons	2229..2591, 2702..2761		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	25180	Seq. ID	OJ990604_01.9A15.C8
Gene No.	52226	Strand	-
Start	2229	End	2761
Name	OJ990604_01.9A15.C8.o2.gs	Method	GENSCAN
Start	2229	End	2591
GI	none	Score	.78
Exons	2229..2591		

Seq. No.	25180	Seq. ID	OJ990604_01.9A15.C8
Gene No.	52226	Strand	-
Start	2229	End	2761
Name	OJ990604_01.9A15.C8.o1.tm	Method	TBLASTX:Maize
Start	2238	End	2586
GI	none	Score	123
Exons	2238..2585, 2248..2424, 2340..2585, 2524..2586		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52227	Strand	+
Start	660	End	1053
Name	OJ990604_01.9A15.C11.o1.gs	Method	GENSCAN
Start	660	End	1053
GI	none	Score	.43
Exons	660..924, 991..1053		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52228	Strand	+
Start	6430	End	8619
Name	OJ990604_01.9A15.C11.o2.np	Method	AAT/NAP
Start	6424	End	8619
GI	4006915	Score	450
Exons	6424..6507, 6967..7377, 7909..8181, 8260..8619		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52228	Strand	+
Start	6430	End	8619
Name	OJ990604_01.9A15.C11.o3.gs	Method	GENSCAN
Start	6430	End	8619

GI	none	Score	.77
Exons	6430..6507, 6967..7377, 8044..8181, 8260..8619		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52229	Strand	+
Start	9427	End	9898
Name	OJ990604_01.9A15.C11.o4.gs	Method	GENSCAN
Start	9427	End	9898
GI	none	Score	.51
Exons	9427..9516, 9743..9898		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52230	Strand	-
Start	2907	End	2998
Name	OJ990604_01.9A15.C11.o1.gp	Method	AAT/GAP
Start	2907	End	2998
GI	5867_1.R1084	Score	133
Exons	2907..2998		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52231	Strand	-
Start	4905	End	5022
Name	OJ990604_01.9A15.C11.o1.np	Method	AAT/NAP
Start	4905	End	5022
GI	6815099	Score	94
Exons	4905..5022		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o1.tm	Method	TBLASTX:Maize
Start	6412	End	7377
GI	none	Score	79
Exons	6412..6507, 6975..7148, 6982..7131, 7144..7266, 7146..7262, 7260..7373, 7270..7377		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o2.ts	Method	TBLASTX:Soybean
Start	6960	End	7332
GI	none	Score	132
Exons	6960..7115, 6973..7155, 7000..7137, 7147..7233, 7170..7232, 7279..7332		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o3.tm	Method	TBLASTX:Maize

Start	8262	End	8615
GI	none	Score	41
Exons	8262..8612, 8265..8432, 8266..8613, 8496..8615		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o1.ts	Method	TBLASTX:Soybean
Start	10681	End	12949
GI	none	Score	239
Exons	10681..10806, 11226..11558, 11227..11559, 12643..12774, 12659..12772, 12776..12949, 12777..12941		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o1.tc	Method	TBLASTX:Cress
Start	10693	End	12952
GI	none	Score	263
Exons	10693..10806, 11226..11558, 11227..11559, 12643..12771, 12659..12772, 12776..12952, 12777..12941		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o2.tm	Method	TBLASTX:Maize
Start	10693	End	13106
GI	none	Score	164
Exons	10693..10809, 11232..11552, 11235..11558, 11236..11559, 12643..12771, 12659..12772, 12776..12949, 12786..12932, 13038..13106		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o3.np	Method	AAT/NAP
Start	10696	End	13362
GI	5804835	Score	746
Exons	10696..10816, 11236..11558, 12658..12949, 13342..13362		
GI Descrip.	(AJ001451) cystathionine gamma synthase [Fragaria vesca] gi|6012969|emb|CAB57356.1| (Y17185) cystathionine gamma synthase [Fragaria vesca]		

Seq. No.	25181	Seq. ID	OJ990604_01.9A15.C11
Gene No.	52232	Strand	-
Start	10696	End	13362
Name	OJ990604_01.9A15.C11.o1.tw	Method	TBLASTX:Wheat
Start	12710	End	13079
GI	none	Score	62
Exons	12710..12772, 12712..12771, 12776..12949, 12786..12941, 13038..13079		

Seq. No.	25182	Seq. ID	OJ990604_01.9A15.C12
Gene No.	52233	Strand	
Start	1616	End	1886
Name	OJ990604_01.9A15.C12.o1.ts	Method	TBLASTX:Soybean
Start	1616	End	1886

GI	none	Score	155
Exons	1616..1816, 1654..1764, 1821..1886		

Seq. No.	25183	Seq. ID	OJ990604_01.9A15.C13
Gene No.	52234	Strand	-
Start	37	End	447
Name	OJ990604_01.9A15.C13.o1.gs	Method	GENSCAN
Start	37	End	447
GI	none	Score	.66
Exons	37..447		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52235	Strand	+
Start	1167	End	1485
Name	OJ990604_01.9A15.C14.o1.gp	Method	AAT/GAP
Start	1167	End	1485
GI	none	Score	599
Exons	1167..1485		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o1.gs	Method	GENSCAN
Start	840	End	4078
GI	none	Score	.45
Exons	840..987, 1001..1263, 1541..4078		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o1.np	Method	AAT/NAP
Start	1493	End	4169
GI	2586082	Score	3012
Exons	1493..3145, 3185..4169		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o1.tm	Method	TBLASTX:Maize
Start	1493	End	2149
GI	none	Score	43
Exons	1493..1714, 1650..1715, 1751..2149, 1803..2135		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o4.tc	Method	TBLASTX:Cress
Start	1517	End	1969
GI	none	Score	59
Exons	1517..1711, 1751..1867, 1752..1868, 1877..1969		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o1.ts	Method	TBLASTX:Soybean
Start	1544	End	2140

GI	none	Score	51
Exons	1544..2140, 1625..1714, 1749..1952, 2013..2138		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o1.tw	Method	TBLASTX:Wheat
Start	1904	End	2341
GI	none	Score	46
Exons	1904..2341, 1905..1991, 2012..2167, 2019..2336		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o3.tc	Method	TBLASTX:Cress
Start	2207	End	2455
GI	none	Score	198
Exons	2207..2455		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o2.tm	Method	TBLASTX:Maize
Start	2282	End	2722
GI	none	Score	38
Exons	2282..2722, 2322..2369, 2412..2516, 2553..2702		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o2.tw	Method	TBLASTX:Wheat
Start	2342	End	2855
GI	none	Score	93
Exons	2342..2518, 2510..2854, 2550..2702, 2736..2855		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o2.ts	Method	TBLASTX:Soybean
Start	2519	End	3037
GI	5509260	Score	128
Exons	2519..3037, 2532..2696, 2742..2897, 2922..3023		
GI Descrip.	-		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o2.tc	Method	TBLASTX:Cress
Start	2636	End	2906
GI	none	Score	152
Exons	2636..2905, 2637..2906		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o4.tm	Method	TBLASTX:Maize
Start	2726	End	2995

GI	none	Score	91
Exons	2726..2995, 2762..2932, 2766..2984		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o1.tc	Method	TBLASTX:Cress
Start	3638	End	4087
GI	none	Score	63
Exons	3638..4087, 3942..4076		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o3.tw	Method	TBLASTX:Wheat
Start	3638	End	3997
GI	none	Score	88
Exons	3638..3997, 3645..3854, 3650..3964		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o3.ts	Method	TBLASTX:Soybean
Start	3656	End	4075
GI	none	Score	256
Exons	3656..4075		

Seq. No.	25184	Seq. ID	OJ990604_01.9A15.C14
Gene No.	52236	Strand	-
Start	840	End	4169
Name	OJ990604_01.9A15.C14.o3.tm	Method	TBLASTX:Maize
Start	3659	End	3982
GI	none	Score	67
Exons	3659..3982, 3663..3851		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52237	Strand	+
Start	2267	End	2578
Name	OJ990604_01.9A15.C15.o1.gp	Method	AAT/GAP
Start	2267	End	2578
GI	none	Score	594
Exons	2267..2578		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o1.np	Method	AAT/NAP
Start	1	End	2220
GI	2586082	Score	2598
Exons	1..2220		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o1.tc	Method	TBLASTX:Cress
Start	4	End	447

GI	none	Score	63
Exons	4..447, 302..436		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o2.tw	Method	TBLASTX:Wheat
Start	5	End	357
GI	none	Score	88
Exons	5..214, 7..357, 10..324		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o2.ts	Method	TBLASTX:Soybean
Start	16	End	435
GI	none	Score	256
Exons	16..435		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o2.tm	Method	TBLASTX:Maize
Start	19	End	342
GI	none	Score	67
Exons	19..342, 23..211		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o4.tw	Method	TBLASTX:Wheat
Start	358	End	648
GI	none	Score	38
Exons	358..441, 460..648, 467..517, 563..619		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o1.ts	Method	TBLASTX:Soybean
Start	444	End	867
GI	none	Score	60
Exons	444..584, 457..627, 483..722, 648..761, 652..867, 701..745		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o1.gs	Method	GENSCAN
Start	684	End	2211
GI	none	Score	.58
Exons	684..703, 771..2211		

Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o1.tw	Method	TBLASTX:Wheat
Start	934	End	1326
GI	none	Score	99

Exons	934..1113, 935..1099, 1093..1326, 1141..1275, 1172..1276		
Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o3.tm	Method	TBLASTX:Maize
Start	1144	End	1710
GI	none	Score	89
Exons	1144..1266, 1144..1389, 1579..1710		
Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o1.tm	Method	TBLASTX:Maize
Start	1711	End	2142
GI	none	Score	199
Exons	1711..2010, 1733..1990, 2038..2142, 2042..2131		
Seq. No.	25185	Seq. ID	OJ990604_01.9A15.C15
Gene No.	52238	Strand	-
Start	1	End	2220
Name	OJ990604_01.9A15.C15.o3.tw	Method	TBLASTX:Wheat
Start	1825	End	2202
GI	none	Score	99
Exons	1825..2202, 1826..2050		
Seq. No.	25186	Seq. ID	OJ990604_01.9A15.C16
Gene No.	52239	Strand	-
Start	1149	End	1498
Name	OJ990604_01.9A15.C16.o1.gs	Method	GENSCAN
Start	1149	End	1498
GI	none	Score	.66
Exons	1149..1345, 1388..1498		
Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52240	Strand	+
Start	3759	End	3856
Name	OJ990604_01.9A15.C17.o1.np	Method	AAT/NAP
Start	3759	End	3856
GI	5777617	Score	73
Exons	3759..3856		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52241	Strand	+
Start	4660	End	6035
Name	OJ990604_01.9A15.C17.o3.np	Method	AAT/NAP
Start	4660	End	6035
GI	1706082	Score	134
Exons	4660..4951, 5825..6035		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) gi|629787|pir||S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley gi|619350|bbs|153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] gi|474392|emb|CAA55478.1| (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52242	Strand	+
Start	8106	End	15792
Name	OJ990604_01.9A15.C17.o4.np	Method	AAT/NAP
Start	8106	End	10668
GI	1706082	Score	355
Exons	8106..8619, 10652..10668		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) gi|629787|pir||S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley gi|619350|bbs|153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] gi|474392|emb|CAA55478.1| (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52242	Strand	+
Start	8106	End	15792
Name	OJ990604_01.9A15.C17.o3.gs	Method	GENSCAN
Start	9980	End	15748
GI	none	Score	.4
Exons	9980..10279, 11026..11041, 11629..12092, 14237..14647, 14785..15060, 15430..15748		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52242	Strand	+
Start	8106	End	15792
Name	OJ990604_01.9A15.C17.o5.np	Method	AAT/NAP
Start	13280	End	15792
GI	6002712	Score	586
Exons	13280..13372, 14255..14496, 14524..14668, 14824..15060, 15430..15792		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52243	Strand	-
Start	4404	End	5906
Name	OJ990604_01.9A15.C17.o2.np	Method	AAT/NAP
Start	4404	End	5906
GI	6175160	Score	52
Exons	4404..4654, 5820..5906		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52244	Strand	
Start	13279	End	14647
Name	OJ990604_01.9A15.C17.o2.tm	Method	TBLASTX:Maize
Start	13279	End	14647
GI	none	Score	85
Exons	13279..13362, 13289..13366, 14210..14416, 14254..14388, 14384..14545, 14413..14520, 14539..14643, 14540..14647		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52244	Strand	
Start	13279	End	14647
Name	OJ990604_01.9A15.C17.o1.ts	Method	TBLASTX:Soybean
Start	14240	End	14602

GI	none	Score	122
Exons	14240..14410, 14305..14385, 14429..14551, 14440..14502, 14549..14602, 14554..14592		

Seq. No.	25187	Seq. ID	OJ990604_01.9A15.C17
Gene No.	52245	Strand	
Start	15432	End	15787
Name	OJ990604_01.9A15.C17.o1.tm	Method	TBLASTX:Maize
Start	15432	End	15787
GI	none	Score	406
Exons	15432..15782, 15436..15783, 15560..15787		

Seq. No.	25188	Seq. ID	OJ990604_01.9A15.C18
Gene No.	52246	Strand	+
Start	207	End	650
Name	OJ990604_01.9A15.C18.o1.gs	Method	GENSCAN
Start	207	End	650
GI	none	Score	.78
Exons	207..650		

Seq. No.	25188	Seq. ID	OJ990604_01.9A15.C18
Gene No.	52247	Strand	-
Start	1272	End	3308
Name	OJ990604_01.9A15.C18.o2.gs	Method	GENSCAN
Start	1272	End	3308
GI	none	Score	.49
Exons	1272..1377, 2935..3121, 3225..3308		

Seq. No.	25189	Seq. ID	OJ990604_01.9A15.C22
Gene No.	52248	Strand	+
Start	284	End	730
Name	OJ990604_01.9A15.C22.o1.gs	Method	GENSCAN
Start	284	End	730
GI	none	Score	.55
Exons	284..319, 359..471, 505..730		

Seq. No.	25190	Seq. ID	OJ990604_01.9A15.C25
Gene No.	52249	Strand	+
Start	805	End	1657
Name	OJ990604_01.9A15.C25.o1.gs	Method	GENSCAN
Start	805	End	1657
GI	none	Score	.77
Exons	805..881, 1025..1118, 1196..1657		

Seq. No.	25191	Seq. ID	OJ990604_01.9A15.C27
Gene No.	52250	Strand	-
Start	211	End	383
Name	OJ990604_01.9A15.C27.o1.gp	Method	AAT/GAP
Start	211	End	383
GI	10431_1.R1084	Score	275
Exons	211..383		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	25192	Seq. ID	OJ990604_01.9A15.C28
Gene No.	52251	Strand	+
Start	1	End	1207

Name	OJ990604_01.9A15.C28.o1.np	Method	AAT/NAP
Start	1	End	1207
GI	2198853	Score	139
Exons	1..68, 890..1207		
GI Descrip.	(AF007786) cystathionine gamma-synthase [Zea mays]		

Seq. No.	25192	Seq. ID	OJ990604_01.9A15.C28
Gene No.	52251	Strand	+
Start	1	End	1207
Name	OJ990604_01.9A15.C28.o1.gs	Method	GENSCAN
Start	870	End	1133
GI	none	Score	.55
Exons	870..1133		

Seq. No.	25193	Seq. ID	OJ990604_01.9A15.C29
Gene No.	52252	Strand	+
Start	1	End	523
Name	OJ990604_01.9A15.C29.o1.np	Method	AAT/NAP
Start	1	End	464
GI	6002712	Score	185
Exons	1..464		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	25193	Seq. ID	OJ990604_01.9A15.C29
Gene No.	52252	Strand	+
Start	1	End	523
Name	OJ990604_01.9A15.C29.o1.ts	Method	TBLASTX:Soybean
Start	77	End	455
GI	none	Score	114
Exons	77..199, 90..248, 282..455, 284..373		

Seq. No.	25193	Seq. ID	OJ990604_01.9A15.C29
Gene No.	52252	Strand	+
Start	1	End	523
Name	OJ990604_01.9A15.C29.o1.gs	Method	GENSCAN
Start	93	End	467
GI	none	Score	.64
Exons	93..467		

Seq. No.	25193	Seq. ID	OJ990604_01.9A15.C29
Gene No.	52252	Strand	+
Start	1	End	523
Name	OJ990604_01.9A15.C29.o1.tm	Method	TBLASTX:Maize
Start	96	End	523
GI	none	Score	150
Exons	96..158, 98..274, 99..242, 273..455, 278..445, 467..523		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52253	Strand	+
Start	9750	End	9922
Name	OJ990604_01.9A15.C31.o1.gp	Method	AAT/GAP
Start	9750	End	9922
GI	10431_1.R1084	Score	275
Exons	9750..9922		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52254	Strand	-
Start	353	End	595
Name	OJ990604_01.9A15.C31.o1.gs	Method	GENSCAN
Start	353	End	595
GI	none	Score	.53
Exons	353..595		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o2.gs	Method	GENSCAN
Start	1091	End	3664
GI	none	Score	.84
Exons	1091..1483, 1807..2073, 3201..3391, 3520..3664		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o1.np	Method	AAT/NAP
Start	1112	End	8253
GI	6002712	Score	507
Exons	1112..1483, 1807..2049, 6594..6733, 6767..7019, 8179..8253		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o2.tm	Method	TBLASTX:Maize
Start	1148	End	1481
GI	none	Score	53
Exons	1148..1336, 1158..1295, 1334..1477, 1398..1481		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o2.ts	Method	TBLASTX:Soybean
Start	1834	End	2040
GI	none	Score	89
Exons	1834..2040, 1880..2035		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o3.gs	Method	GENSCAN
Start	6555	End	8229
GI	none	Score	.49
Exons	6555..7019, 8179..8229		

Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o1.tm	Method	TBLASTX:Maize
Start	6602	End	8247
GI	none	Score	67

Exons	6602..6718, 6609..6713, 6622..6735, 6723..6842, 6742..6825, 6788..6838, 6843..7016, 6844..7023, 8164..8247		
Seq. No.	25194	Seq. ID	OJ990604_01.9A15.C31
Gene No.	52255	Strand	-
Start	1091	End	8253
Name	OJ990604_01.9A15.C31.o1.ts	Method	TBLASTX:Soybean
Start	6651	End	7023
GI	none	Score	60
Exons	6651..6767, 6765..7016, 6766..6819, 6877..7023		
Seq. No.	25195	Seq. ID	OJ990604_01.9A15.C32
Gene No.	52256	Strand	-
Start	561	End	6554
Name	OJ990604_01.9A15.C32.o1.gs	Method	GENSCAN
Start	561	End	6554
GI	none	Score	.54
Exons	561..653, 4527..4598, 5111..5209, 5588..5685, 6416..6554		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52257	Strand	+
Start	1	End	2789
Name	OJ990604_01.9A15.C33.o1.np	Method	AAT/NAP
Start	1	End	2789
GI	6630696	Score	4855
Exons	1..2789		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52258	Strand	+
Start	3550	End	3838
Name	OJ990604_01.9A15.C33.o1.gp	Method	AAT/GAP
Start	3550	End	3838
GI	426253	Score	522
Exons	3550..3838		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52259	Strand	+
Start	8960	End	12456
Name	OJ990604_01.9A15.C33.o3.np	Method	AAT/NAP
Start	8960	End	12456
GI	6651395	Score	382
Exons	8960..9037, 9801..10240, 11711..11979, 12094..12456		
GI Descrip.	(AF179222) floral nectary-specific protein [Brassica rapa subsp. pekinensis]		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52260	Strand	+
Start	16892	End	25234
Name	OJ990604_01.9A15.C33.o4.np	Method	AAT/NAP
Start	16892	End	22999
GI	6002712	Score	528
Exons	16892..16966, 21019..21265, 21299..21443, 21874..22107, 22628..22999		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl		

methyltransferase [Clarkia breweri]

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52260	Strand	+
Start	16892	End	25234
Name	OJ990604_01.9A15.C33.o3.gs	Method	GENSCAN
Start	17777	End	18242
GI	none	Score	.59
Exons	17777..18039, 18089..18242		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52260	Strand	+
Start	16892	End	25234
Name	OJ990604_01.9A15.C33.o5.gs	Method	GENSCAN
Start	21097	End	25234
GI	none	Score	.81
Exons	21097..21193, 21262..21422, 21841..22107, 22628..22922, 23524..23583, 23882..23977, 24207..24262, 24650..24896, 25139..25234		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52260	Strand	+
Start	16892	End	25234
Name	OJ990604_01.9A15.C33.o5.np	Method	AAT/NAP
Start	24623	End	24924
GI	6539588	Score	201
Exons	24623..24924		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52261	Strand	-
Start	3721	End	8936
Name	OJ990604_01.9A15.C33.o2.np	Method	AAT/NAP
Start	3721	End	8936
GI	133416	Score	243
Exons	3721..3749, 5547..5683, 7461..7733, 8907..8936		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o7.tm	Method	TBLASTX:Maize
Start	1	End	203
GI	none	Score	195
Exons	1..132, 2..133, 3..131, 4..132, 162..203, 167..196		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o6.ts	Method	TBLASTX:Soybean
Start	177	End	557
GI	none	Score	88
Exons	177..326, 309..557		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o4.tm	Method	TBLASTX:Maize
Start	315	End	779
GI	none	Score	314
Exons	315..779, 554..772		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o4.tw	Method	TBLASTX:Wheat
Start	422	End	622
GI	none	Score	274
Exons	422..622, 423..620, 430..621		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o2.ts	Method	TBLASTX:Soybean
Start	567	End	965
GI	none	Score	208
Exons	567..788, 569..784, 792..965		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o1.tw	Method	TBLASTX:Wheat
Start	623	End	1370
GI	none	Score	270
Exons	623..1030, 623..1120, 630..1370, 1181..1366, 1188..1370		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1754
GI	5509260	Score	388
Exons	1290..1754, 1385..1546		
GI Descrip.	-		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o1.tc	Method	TBLASTX:Cress
Start	1383	End	1643
GI	none	Score	291
Exons	1383..1643, 1385..1555		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o2.tm	Method	TBLASTX:Maize
Start	1424	End	1889
GI	none	Score	357
Exons	1424..1555, 1425..1889, 1560..1640, 1676..1735		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o3.tw	Method	TBLASTX:Wheat
Start	1425	End	1970
GI	none	Score	318
Exons	1425..1769, 1442..1606, 1761..1970		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o3.ts	Method	TBLASTX:Soybean
Start	1823	End	2174
GI	none	Score	141
Exons	1823..1987, 1824..1982, 1982..2170, 1983..2171, 1992..2174		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o1.tm	Method	TBLASTX:Maize
Start	1950	End	2321
GI	none	Score	358
Exons	1950..2321, 1973..2320		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o2.tw	Method	TBLASTX:Wheat
Start	2178	End	2653
GI	none	Score	105
Exons	2178..2252, 2179..2238, 2183..2278, 2183..2251, 2267..2653, 2268..2651, 2269..2652		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o4.ts	Method	TBLASTX:Soybean
Start	2184	End	2525
GI	none	Score	97
Exons	2184..2297, 2219..2287, 2316..2525, 2321..2446, 2457..2504		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o5.tw	Method	TBLASTX:Wheat
Start	2926	End	3280
GI	none	Score	36
Exons	2926..2970, 2926..2958, 2971..3078, 2973..3065, 2996..3094, 3004..3066, 3077..3139, 3078..3104, 3151..3279, 3154..3207, 3251..3280		

Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o6.tm	Method	TBLASTX:Maize
Start	7479	End	7741
GI	none	Score	176

Exons	7479..7637, 7492..7662, 7493..7633, 7494..7634, 7638..7724, 7640..7741, 7643..7735		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o3.tm	Method	TBLASTX:Maize
Start	9790	End	21440
GI	none	Score	62
Exons	9790..9912, 9803..9934, 9804..9935, 9994..10104, 9997..10101, 10110..10214, 10111..10218, 16898..16987, 21015..21182, 21019..21201, 21209..21307, 21210..21308, 21299..21406, 21306..21440, 21306..21422		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o5.ts	Method	TBLASTX:Soybean
Start	9804	End	21377
GI	none	Score	111
Exons	9804..9935, 9818..9934, 9928..10059, 10005..10058, 10057..10173, 21019..21201, 21021..21137, 21209..21262, 21210..21263, 21324..21377		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o7.ts	Method	TBLASTX:Soybean
Start	12094	End	22990
GI	none	Score	103
Exons	12094..12243, 22612..22734, 22625..22783, 22817..22990, 22819..22908		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o5.tm	Method	TBLASTX:Maize
Start	12100	End	23058
GI	none	Score	132
Exons	12100..12243, 12241..12450, 22633..22809, 22634..22777, 22808..22990, 22813..22980, 23002..23058		
Seq. No.	25196	Seq. ID	OJ990604_01.9A15.C33
Gene No.	52262	Strand	-
Start	19240	End	23058
Name	OJ990604_01.9A15.C33.o4.gs	Method	GENSCAN
Start	19240	End	20588
GI	none	Score	.84
Exons	19240..19695, 19921..20027, 20429..20588		
Seq. No.	25197	Seq. ID	OJ990604_01.9A15.C35
Gene No.	52263	Strand	-
Start	234	End	503
Name	OJ990604_01.9A15.C35.o1.np	Method	AAT/NAP
Start	234	End	503
GI	5777617	Score	79
Exons	234..331, 464..503		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	25198	Seq. ID	OJ990604_01.9A15.C37
Gene No.	52264	Strand	-
Start	229	End	522
Name	OJ990604_01.9A15.C37.o1.np	Method	AAT/NAP
Start	229	End	522
GI	6630696	Score	448
Exons	229..522		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	25198	Seq. ID	OJ990604_01.9A15.C37
Gene No.	52264	Strand	-
Start	229	End	522
Name	OJ990604_01.9A15.C37.o1.gs	Method	GENSCAN
Start	276	End	501
GI	none	Score	.73
Exons	276..501		

Seq. No.	25198	Seq. ID	OJ990604_01.9A15.C37
Gene No.	52264	Strand	-
Start	229	End	522
Name	OJ990604_01.9A15.C37.o1.tw	Method	TBLASTX:Wheat
Start	365	End	505
GI	none	Score	187
Exons	365..505, 367..504		

Seq. No.	25199	Seq. ID	OJ990604_01.9A15.C38
Gene No.	52265	Strand	+
Start	85	End	304
Name	OJ990604_01.9A15.C38.o1.gs	Method	GENSCAN
Start	85	End	304
GI	none	Score	.7
Exons	85..188, 193..304		

Seq. No.	25200	Seq. ID	OJ990604_01.9A15.C40
Gene No.	52266	Strand	-
Start	292	End	397
Name	OJ990604_01.9A15.C40.o1.gs	Method	GENSCAN
Start	292	End	397
GI	none	Score	.8
Exons	292..397		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52267	Strand	+
Start	7115	End	13712
Name	OJ990714_04.9A08.C2.o1.np	Method	AAT/NAP
Start	7115	End	13712
GI	5091513	Score	1477
Exons	7115..7181, 9938..10571, 11325..12058, 12114..12436, 12889..13092, 13244..13712		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52267	Strand	+

Start	7115	End	13712
Name	OJ990714_04.9A08.C2.o1.gp	Method	AAT/GAP
Start	8237	End	8454
GI	8022_1.R1084	Score	288
Exons	8237..8454		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52267	Strand	+
Start	7115	End	13712
Name	OJ990714_04.9A08.C2.o2.gp	Method	AAT/GAP
Start	8453	End	8760
GI	72524_1.R1084	Score	428
Exons	8453..8760		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52268	Strand	+
Start	15022	End	15271
Name	OJ990714_04.9A08.C2.o3.gp	Method	AAT/GAP
Start	15022	End	15271
GI	3761181	Score	404
Exons	15022..15271		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52269	Strand	+
Start	16546	End	24758
Name	OJ990714_04.9A08.C2.o5.gs	Method	GENSCAN
Start	16546	End	24758
GI	none	Score	.41
Exons	16546..16571, 16897..17017, 19775..20007, 20193..20310, 21328..21532, 22563..22784, 24697..24758		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52270	Strand	+
Start	26359	End	34706
Name	OJ990714_04.9A08.C2.o4.gp	Method	AAT/GAP
Start	26265	End	26719
GI	55683_1.R1084	Score	868
Exons	26265..26719		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52270	Strand	+
Start	26359	End	34706
Name	OJ990714_04.9A08.C2.o6.gs	Method	GENSCAN
Start	26359	End	34706
GI	none	Score	.86
Exons	26359..27110, 27205..27291, 27391..27541, 27658..27948, 29890..30029, 30108..30219, 30540..30684, 31043..31136, 34595..34706		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52270	Strand	+
Start	26359	End	34706
Name	OJ990714_04.9A08.C2.o3.np	Method	AAT/NAP
Start	26680	End	31182
GI	6728879	Score	408
Exons	26680..26790, 27010..27110, 27175..27291, 27391..27541, 27686..27948, 29890..30029, 30114..30299, 30391..30463, 30540..30696, 30838..30954, 31043..31182		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52270	Strand	+
Start	26359	End	34706
Name	OJ990714_04.9A08.C2.o5.gp	Method	AAT/GAP
Start	32513	End	33436
GI	85912_1.R1084	Score	764
Exons	32513..32568, 33066..33436		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52271	Strand	-
Start	390	End	1561
Name	OJ990714_04.9A08.C2.o1.gs	Method	GENSCAN
Start	390	End	1561
GI	none	Score	.42
Exons	390..566, 653..674, 821..863, 884..1074, 1421..1561		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52272	Strand	-
Start	2617	End	7005
Name	OJ990714_04.9A08.C2.o2.gs	Method	GENSCAN
Start	2617	End	7005
GI	none	Score	.57
Exons	2617..2864, 2948..3148, 3383..3917, 4255..4403, 4408..4596, 4691..4948, 5312..5528, 6036..6073, 6120..6228, 6358..6423, 7003..7005		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52273	Strand	-
Start	13204	End	13652
Name	OJ990714_04.9A08.C2.o4.gs	Method	GENSCAN
Start	13204	End	13652
GI	none	Score	.8
Exons	13204..13321, 13573..13652		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52274	Strand	-
Start	15702	End	17127
Name	OJ990714_04.9A08.C2.o2.np	Method	AAT/NAP
Start	15702	End	17127
GI	5852084	Score	81
Exons	15702..15842, 17101..17127		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2

Gene No.	52275	Strand	-
Start	35544	End	38815
Name	OJ990714_04.9A08.C2.o2.tm	Method	TBLASTX:Maize
Start	21412	End	27504
GI	none	Score	67
Exons	21412..21498, 26730..26789, 26731..26790, 27007..27060, 27009..27062, 27037..27117, 27175..27291, 27203..27289, 27383..27502, 27388..27504		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52275	Strand	-
Start	35544	End	38815
Name	OJ990714_04.9A08.C2.o1.tm	Method	TBLASTX:Maize
Start	30105	End	30303
GI	none	Score	91
Exons	30105..30299, 30106..30300, 30123..30299, 30157..30303		

Seq. No.	25201	Seq. ID	OJ990714_04.9A08.C2
Gene No.	52275	Strand	-
Start	35544	End	38815
Name	OJ990714_04.9A08.C2.o7.gs	Method	GENSCAN
Start	35544	End	38815
GI	none	Score	.47
Exons	35544..35616, 36758..36875, 36996..37007, 37218..37284, 37803..38017, 38360..38484, 38715..38815		

Seq. No.	25202	Seq. ID	OJ990714_04.9A08.C3
Gene No.	52276	Strand	-
Start	1	End	1839
Name	OJ990714_04.9A08.C3.o1.np	Method	AAT/NAP
Start	1	End	1823
GI	3283026	Score	266
Exons	1..26, 1277..1823		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	25202	Seq. ID	OJ990714_04.9A08.C3
Gene No.	52276	Strand	-
Start	1	End	1839
Name	OJ990714_04.9A08.C3.o1.gs	Method	GENSCAN
Start	448	End	1757
GI	none	Score	.52
Exons	448..583, 1213..1370, 1449..1757		

Seq. No.	25202	Seq. ID	OJ990714_04.9A08.C3
Gene No.	52276	Strand	-
Start	1	End	1839
Name	OJ990714_04.9A08.C3.o1.tc	Method	TBLASTX:Cress
Start	984	End	1839
GI	none	Score	61
Exons	984..1088, 1190..1219, 1224..1742, 1747..1839		

Seq. No.	25202	Seq. ID	OJ990714_04.9A08.C3
Gene No.	52276	Strand	-
Start	1	End	1839
Name	OJ990714_04.9A08.C3.o1.tm	Method	TBLASTX:Maize
Start	1404	End	1745
GI	none	Score	39

Exons	1404..1517, 1404..1592, 1492..1590, 1629..1730, 1667..1738, 1668..1745		
Seq. No.	25203	Seq. ID	OJ990714_04.9A08.C4
Gene No.	52277	Strand	-
Start	3904	End	4118
Name	OJ990714_04.9A08.C4.o1.np	Method	AAT/NAP
Start	3904	End	4118
GI	4538624	Score	71
Exons	3904..4118		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		
Seq. No.	25204	Seq. ID	OJ990714_04.9A08.C5
Gene No.	52278	Strand	-
Start	5169	End	8825
Name	OJ990714_04.9A08.C5.o2.tm	Method	TBLASTX:Maize
Start	791	End	1173
GI	none	Score	152
Exons	791..949, 796..948, 1027..1173		
Seq. No.	25204	Seq. ID	OJ990714_04.9A08.C5
Gene No.	52278	Strand	-
Start	5169	End	8825
Name	OJ990714_04.9A08.C5.o1.tm	Method	TBLASTX:Maize
Start	1520	End	4548
GI	none	Score	90
Exons	1520..1582, 1575..1706, 1661..1819, 1849..1935, 1856..1933, 4113..4163, 4163..4219, 4215..4412, 4433..4537, 4454..4546, 4456..4548		
Seq. No.	25204	Seq. ID	OJ990714_04.9A08.C5
Gene No.	52278	Strand	-
Start	5169	End	8825
Name	OJ990714_04.9A08.C5.o2.gs	Method	GENSCAN
Start	5169	End	8825
GI	none	Score	.79
Exons	5169..5324, 5431..5657, 6922..7027, 7646..7680, 8712..8825		
Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52279	Strand	+
Start	11633	End	19005
Name	OJ990714_04.9A08.C6.o4.gs	Method	GENSCAN
Start	11633	End	19005
GI	none	Score	.73
Exons	11633..11813, 11833..11959, 12152..12290, 12468..12650, 13278..13322, 13892..14239, 14859..15035, 15415..15483, 15587..15676, 16897..17121, 17282..17437, 17454..17492, 18618..19005		
Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52279	Strand	+
Start	11633	End	19005
Name	OJ990714_04.9A08.C6.o1.gp	Method	AAT/GAP
Start	12997	End	14124
GI	32381_1.R1084	Score	806
Exons	12997..13159, 13278..13322, 13892..14124		
GI Descrip.	'2894378/emb|CAA74910.1| 6.0e-38 (Y14573) putative ribophorin I		

homologue [Hordeum vulgare]'

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52279	Strand	+
Start	11633	End	19005
Name	OJ990714_04.9A08.C6.o2.np	Method	AAT/NAP
Start	13052	End	16046
GI	2894378	Score	1913
Exons	13052..13159, 13278..13322, 13892..14520, 14615..14762, 14859..15035, 15415..15483, 15593..15676, 15888..16046		
GI Descrip.	(Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52279	Strand	+
Start	11633	End	19005
Name	OJ990714_04.9A08.C6.o2.gp	Method	AAT/GAP
Start	14143	End	14528
GI	2312454	Score	706
Exons	14143..14528		
GI Descrip.	2894378/emb|CAA74910.1| 2.0e-51 (Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52279	Strand	+
Start	11633	End	19005
Name	OJ990714_04.9A08.C6.o3.gp	Method	AAT/GAP
Start	16016	End	17729
GI	35940_1.R1084	Score	1329
Exons	16016..16046, 16897..17121, 17282..17729		
GI Descrip.	'5918187/emb|CAB56225.1| 3.0e-58 (AJ133278) ribophorin I [Hordeum vulgare]'		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52280	Strand	-
Start	297	End	630
Name	OJ990714_04.9A08.C6.o1.gs	Method	GENSCAN
Start	297	End	630
GI	none	Score	.65
Exons	297..526, 564..630		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52281	Strand	-
Start	7210	End	11529
Name	OJ990714_04.9A08.C6.o3.gs	Method	GENSCAN
Start	7210	End	11529
GI	none	Score	.47
Exons	7210..7331, 7613..7687, 7769..8506, 8555..8690, 9123..9346, 10722..10816, 10821..10938, 11220..11294, 11376..11529		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52281	Strand	-
Start	7210	End	11529
Name	OJ990714_04.9A08.C6.o1.np	Method	AAT/NAP
Start	7213	End	11529
GI	6815052	Score	2594
Exons	7213..7331, 7613..7687, 7769..8506, 8555..8690, 9473..9565, 10424..10523, 10821..10938, 11220..11294, 11376..11529		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52281	Strand	-
Start	7210	End	11529
Name	OJ990714_04.9A08.C6.o1.tw	Method	TBLASTX:Wheat
Start	8745	End	9239
GI	none	Score	58
Exons	8745..9239, 8845..8967, 8949..9215		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52282	Strand	
Start	13127	End	16049
Name	OJ990714_04.9A08.C6.o1.tm	Method	TBLASTX:Maize
Start	13127	End	16039
GI	none	Score	45
Exons	13127..13162, 13259..13363, 13275..13361, 13877..14269, 13890..14270, 13894..14271, 13895..14272, 14269..14520, 14270..14521, 14276..14521, 14277..14525, 14604..14771, 14608..14754, 14609..14773, 14853..15047, 14857..15048, 14864..15049, 15403..15486, 15403..15468, 15414..15485, 15584..15679, 15586..15681, 15586..15678, 15593..15679, 15879..15965, 15881..15970, 15885..15971, 15887..15973, 15983..16039, 15984..16037		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52282	Strand	
Start	13127	End	16049
Name	OJ990714_04.9A08.C6.o2.tc	Method	TBLASTX:Cress
Start	13892	End	14290
GI	none	Score	75
Exons	13892..14032, 13994..14290, 14071..14289		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52282	Strand	
Start	13127	End	16049
Name	OJ990714_04.9A08.C6.o2.ts	Method	TBLASTX:Soybean
Start	14048	End	14302
GI	none	Score	267
Exons	14048..14302, 14060..14290, 14071..14301		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52282	Strand	
Start	13127	End	16049
Name	OJ990714_04.9A08.C6.o1.tc	Method	TBLASTX:Cress
Start	14291	End	14945
GI	none	Score	52
Exons	14291..14353, 14299..14352, 14384..14521, 14402..14521, 14604..14774, 14630..14773, 14856..14945, 14864..14935		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52282	Strand	
Start	13127	End	16049
Name	OJ990714_04.9A08.C6.o1.ts	Method	TBLASTX:Soybean
Start	14304	End	16049
GI	none	Score	67
Exons	14304..14390, 14305..14391, 14305..14523, 14306..14521,		

14375..14524, 14431..14550, 14604..14771, 14641..14754,
14642..14773, 14856..15047, 14856..15035, 14864..15049,
15403..15483, 15414..15482, 15584..15679, 15589..15678,
15877..16047, 15879..16049, 15886..16047, 15887..16048

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52283	Strand	
Start	16896	End	17651
Name	OJ990714_04.9A08.C6.o2.tm	Method	TBLASTX:Maize
Start	16896	End	17651
GI	none	Score	107
Exons	16896..17123, 16896..17123, 16936..17124, 17273..17497, 17281..17493, 17613..17651		

Seq. No.	25205	Seq. ID	OJ990714_04.9A08.C6
Gene No.	52283	Strand	
Start	16896	End	17651
Name	OJ990714_04.9A08.C6.o3.tc	Method	TBLASTX:Cress
Start	17279	End	17473
GI	none	Score	217
Exons	17279..17473, 17281..17469		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52284	Strand	+
Start	778	End	1268
Name	OJ990714_04.9A08.C7.o1.gp	Method	AAT/GAP
Start	778	End	1268
GI	3760640	Score	107
Exons	778..868, 1247..1268		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52285	Strand	+
Start	2800	End	4245
Name	OJ990714_04.9A08.C7.o1.tm	Method	TBLASTX:Maize
Start	2798	End	4227
GI	none	Score	93
Exons	2798..2917, 2800..2934, 2803..2916, 2807..2929, 3011..3124, 3012..3110, 3014..3175, 3974..4219, 3979..4224, 3985..4227		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52285	Strand	+
Start	2800	End	4245
Name	OJ990714_04.9A08.C7.o1.tc	Method	TBLASTX:Cress
Start	2799	End	3110
GI	none	Score	182
Exons	2799..2927, 2806..2943, 2807..2929, 3030..3110		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52285	Strand	+
Start	2800	End	4245
Name	OJ990714_04.9A08.C7.o1.gs	Method	GENSCAN
Start	2800	End	4188
GI	none	Score	.98
Exons	2800..2915, 3013..3180, 3980..4188		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52285	Strand	+
Start	2800	End	4245
Name	OJ990714_04.9A08.C7.o1.ts	Method	TBLASTX:Soybean
Start	2804	End	3115
GI	none	Score	178
Exons	2804..2917, 2806..2934, 2807..2932, 3035..3115, 3036..3113		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52285	Strand	+
Start	2800	End	4245
Name	OJ990714_04.9A08.C7.o2.gp	Method	AAT/GAP
Start	3025	End	4245
GI	LIB3433-034-P1-K1-D10	Score	701
Exons	3025..3180, 3980..4245		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 1.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	25206	Seq. ID	OJ990714_04.9A08.C7
Gene No.	52285	Strand	+
Start	2800	End	4245
Name	OJ990714_04.9A08.C7.o1.tw	Method	TBLASTX:Wheat
Start	3059	End	4164
GI	none	Score	73
Exons	3059..3124, 3060..3113, 3062..3172, 3974..4156, 3979..4158, 3985..4164		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52286	Strand	+
Start	6892	End	9877
Name	OJ990714_04.9A08.C8.o2.gs	Method	GENSCAN
Start	6892	End	9877
GI	none	Score	.84
Exons	6892..6924, 7532..7701, 8230..8337, 9667..9877		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52287	Strand	+
Start	11904	End	12187
Name	OJ990714_04.9A08.C8.o2.gp	Method	AAT/GAP
Start	11904	End	12187
GI	none	Score	375
Exons	11904..12087, 12145..12187		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52288	Strand	-
Start	661	End	8669
Name	OJ990714_04.9A08.C8.o1.gp	Method	AAT/GAP
Start	661	End	5125
GI	10672_1.R1084	Score	2428
Exons	661..1082, 1166..1230, 1325..1439, 1936..2007, 2093..2372, 2642..2844, 3344..3411, 5029..5125		
GI Descrip.	'82264/pir||S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1 [Solanum tuberosum]'		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8

Gene No.	52288	Strand	-
Start	661	End	8669
Name	OJ990714_04.9A08.C8.o1.gs	Method	GENSCAN
Start	966	End	6458
GI	none	Score	.55
Exons	966..1082, 1347..1439, 1936..2007, 2093..2372, 2642..2844, 3344..3430, 5483..5690, 5742..5988, 6248..6458		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52288	Strand	-
Start	661	End	8669
Name	OJ990714_04.9A08.C8.o1.np	Method	AAT/NAP
Start	969	End	2804
GI	82263	Score	1048
Exons	969..1082, 1166..1230, 1325..1439, 1936..2007, 2093..2372, 2642..2804		
GI Descrip.	ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)3II) - potato		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52288	Strand	-
Start	661	End	8669
Name	OJ990714_04.9A08.C8.o3.np	Method	AAT/NAP
Start	6040	End	8669
GI	2244963	Score	60
Exons	6040..6062, 8530..8669		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52289	Strand	-
Start	11563	End	12747
Name	OJ990714_04.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	813	End	3410
GI	none	Score	197
Exons	813..854, 871..1083, 872..886, 927..1082, 1177..1233, 1181..1231, 1342..1359, 1350..1442, 1359..1439, 1360..1443, 1933..2025, 1936..2010, 2086..2211, 2088..2372, 2091..2357, 2093..2374, 2610..2720, 2636..2839, 2641..2844, 2642..2878, 3344..3403, 3348..3407, 3357..3410		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52289	Strand	-
Start	11563	End	12747
Name	OJ990714_04.9A08.C8.o2.ts	Method	TBLASTX:Soybean
Start	936	End	1233
GI	none	Score	93
Exons	936..1082, 936..1082, 970..1083, 1177..1233, 1181..1231		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52289	Strand	-
Start	11563	End	12747
Name	OJ990714_04.9A08.C8.o1.tc	Method	TBLASTX:Cress
Start	966	End	2760
GI	none	Score	109
Exons	966..1082, 970..1083, 997..1089, 1177..1233, 1181..1234, 1182..1238, 1182..1235, 1342..1359, 1359..1439, 1360..1440, 1880..2008, 1928..1999, 1930..2025, 2091..2366, 2093..2374,		

2097..2372, 2610..2720, 2641..2760, 2641..2742

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52289	Strand	-
Start	11563	End	12747
Name	OJ990714_04.9A08.C8.o1.ts	Method	TBLASTX:Soybean
Start	1377	End	2788
GI	none	Score	67
Exons	1377..1433, 1378..1440, 1933..2025, 1940..1999, 2093..2374, 2097..2372, 2611..2766, 2641..2742, 2642..2788		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52289	Strand	-
Start	11563	End	12747
Name	OJ990714_04.9A08.C8.o1.tw	Method	TBLASTX:Wheat
Start	5891	End	6293
GI	none	Score	94
Exons	5891..5986, 5983..6054, 6060..6161, 6177..6293		

Seq. No.	25207	Seq. ID	OJ990714_04.9A08.C8
Gene No.	52289	Strand	-
Start	11563	End	12747
Name	OJ990714_04.9A08.C8.o3.gs	Method	GENSCAN
Start	11563	End	12747
GI	none	Score	.66
Exons	11563..11736, 11829..12164, 12277..12747		

Seq. No.	25208	Seq. ID	OJ990714_04.9A08.C9
Gene No.	52290	Strand	+
Start	19	End	1130
Name	OJ990714_04.9A08.C9.o1.gs	Method	GENSCAN
Start	19	End	1130
GI	none	Score	.91
Exons	19..109, 1051..1130		

Seq. No.	25208	Seq. ID	OJ990714_04.9A08.C9
Gene No.	52291	Strand	+
Start	3173	End	5168
Name	OJ990714_04.9A08.C9.o1.np	Method	AAT/NAP
Start	3170	End	5168
GI	1666236	Score	234
Exons	3170..3674, 5150..5168		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	25208	Seq. ID	OJ990714_04.9A08.C9
Gene No.	52291	Strand	+
Start	3173	End	5168
Name	OJ990714_04.9A08.C9.o2.gs	Method	GENSCAN
Start	3173	End	3658
GI	none	Score	.55
Exons	3173..3658		

Seq. No.	25208	Seq. ID	OJ990714_04.9A08.C9
Gene No.	52291	Strand	+
Start	3173	End	5168
Name	OJ990714_04.9A08.C9.o1.gp	Method	AAT/GAP
Start	4514	End	4620

GI	uC-osflcyp088b12b1	Score	144
Exons	4514..4620		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25208	Seq. ID	OJ990714_04.9A08.C9
Gene No.	52292	Strand	-
Start	5720	End	9235
Name	OJ990714_04.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	3338	End	3672
GI	none	Score	105
Exons	3338..3454, 3470..3544, 3553..3672		

Seq. No.	25208	Seq. ID	OJ990714_04.9A08.C9
Gene No.	52292	Strand	-
Start	5720	End	9235
Name	OJ990714_04.9A08.C9.o3.gs	Method	GENSCAN
Start	5720	End	9235
GI	none	Score	.79
Exons	5720..5918, 6616..6742, 9178..9235		

Seq. No.	25209	Seq. ID	OJ990714_04.9A08.C10
Gene No.	52293	Strand	+
Start	64	End	425
Name	OJ990714_04.9A08.C10.o1.gs	Method	GENSCAN
Start	64	End	425
GI	none	Score	.53
Exons	64..230, 414..425		

Seq. No.	25209	Seq. ID	OJ990714_04.9A08.C10
Gene No.	52294	Strand	-
Start	202	End	587
Name	OJ990714_04.9A08.C10.o1.tm	Method	TBLASTX:Maize
Start	143	End	546
GI	none	Score	61
Exons	143..190, 227..295, 229..294, 291..407, 291..407, 292..408, 506..541, 508..546		

Seq. No.	25209	Seq. ID	OJ990714_04.9A08.C10
Gene No.	52294	Strand	-
Start	202	End	587
Name	OJ990714_04.9A08.C10.o1.np	Method	AAT/NAP
Start	202	End	587
GI	3283026	Score	43
Exons	202..407, 506..587		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	25210	Seq. ID	OJ990714_04.9A08.C12
Gene No.	52295	Strand	+
Start	322	End	621
Name	OJ990714_04.9A08.C12.o1.gp	Method	AAT/GAP
Start	322	End	621
GI	85912_1.R1084	Score	547
Exons	322..621		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	25211	Seq. ID	OJ990604_02.9A01.C1
Gene No.	52296	Strand	-
Start	805	End	1036
Name	OJ990604_02.9A01.C1.o1.gs	Method	GENSCAN
Start	805	End	1036
GI	none	Score	.63
Exons	805..1036		

Seq. No.	25212	Seq. ID	OJ990604_02.9A01.C2
Gene No.	52297	Strand	+
Start	1	End	3636
Name	OJ990604_02.9A01.C2.o1.np	Method	AAT/NAP
Start	1	End	3636
GI	5295955	Score	353
Exons	1..233, 1241..1367, 2112..2164, 2314..2537, 2657..2796, 3006..3636		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	25212	Seq. ID	OJ990604_02.9A01.C2
Gene No.	52298	Strand	-
Start	564	End	675
Name	OJ990604_02.9A01.C2.o1.gp	Method	AAT/GAP
Start	564	End	675
GI	uC-osflcyp088b12b1	Score	158
Exons	564..675		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25213	Seq. ID	OJ990604_02.9A01.C3
Gene No.	52299	Strand	+
Start	965	End	1708
Name	OJ990604_02.9A01.C3.o1.gs	Method	GENSCAN
Start	965	End	1708
GI	none	Score	.58
Exons	965..1051, 1305..1375, 1621..1708		

Seq. No.	25213	Seq. ID	OJ990604_02.9A01.C3
Gene No.	52300	Strand	-
Start	1	End	1728
Name	OJ990604_02.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	1728
GI	6691467	Score	62
Exons	1..210, 1669..1728		
GI Descrip.	(AB030708) AHMP1 [Triticum aestivum]		

Seq. No.	25213	Seq. ID	OJ990604_02.9A01.C3
Gene No.	52300	Strand	-
Start	1	End	1728
Name	OJ990604_02.9A01.C3.o2.np	Method	AAT/NAP
Start	1	End	1512
GI	5922623	Score	213
Exons	1..25, 635..710, 878..1030, 1428..1512		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52301	Strand	+
Start	2781	End	4412
Name	OJ990604_02.9A01.C4.o1.np	Method	AAT/NAP
Start	2781	End	4409
GI	4406767	Score	491
Exons	2781..2831, 3474..4409		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52301	Strand	+
Start	2781	End	4412
Name	OJ990604_02.9A01.C4.o1.gp	Method	AAT/GAP
Start	3350	End	3596
GI	2311051	Score	430
Exons	3350..3596		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52301	Strand	+
Start	2781	End	4412
Name	OJ990604_02.9A01.C4.o2.gs	Method	GENSCAN
Start	3381	End	4412
GI	none	Score	1
Exons	3381..4412		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52302	Strand	+
Start	4992	End	6005
Name	OJ990604_02.9A01.C4.o3.gs	Method	GENSCAN
Start	4992	End	6005
GI	none	Score	.57
Exons	4992..5066, 5583..5680, 5891..6005		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52303	Strand	-
Start	7935	End	8135
Name	OJ990604_02.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	3396	End	4095
GI	none	Score	54
Exons	3396..3428, 3467..3517, 3468..3518, 3507..3704, 3521..3655, 3904..3978, 4018..4095		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52303	Strand	-
Start	7935	End	8135
Name	OJ990604_02.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	3534	End	4253
GI	none	Score	119
Exons	3534..3686, 3702..3758, 3789..3857, 3885..3998, 4005..4109, 4125..4253		

Seq. No.	25214	Seq. ID	OJ990604_02.9A01.C4
Gene No.	52303	Strand	-
Start	7935	End	8135
Name	OJ990604_02.9A01.C4.o4.gs	Method	GENSCAN
Start	7935	End	8135

GI	none	Score	.66
Exons	7935..8135		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52304	Strand	+
Start	1896	End	7798
Name	OJ990604_02.9A01.C5.o2.np	Method	AAT/NAP
Start	1896	End	7798
GI	6063554	Score	400
Exons	1896..1955, 4722..5037, 5147..5343, 6961..6989, 7625..7798		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52304	Strand	+
Start	1896	End	7798
Name	OJ990604_02.9A01.C5.o1.gp	Method	AAT/GAP
Start	6455	End	7191
GI	101153_1.R1084	Score	392
Exons	6455..6479, 6949..7191		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52305	Strand	+
Start	8167	End	8441
Name	OJ990604_02.9A01.C5.o3.gp	Method	AAT/GAP
Start	8167	End	8441
GI	61605_1.R1084	Score	485
Exons	8167..8441		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52306	Strand	+
Start	10467	End	11018
Name	OJ990604_02.9A01.C5.o3.np	Method	AAT/NAP
Start	10467	End	11018
GI	6907088	Score	534
Exons	10467..10604, 10781..11018		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52307	Strand	+
Start	11159	End	11509
Name	OJ990604_02.9A01.C5.o4.np	Method	AAT/NAP
Start	11159	End	11509
GI	6069659	Score	50
Exons	11159..11244, 11467..11509		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52308	Strand	-
Start	780	End	6108
Name	OJ990604_02.9A01.C5.o1.gs	Method	GENSCAN
Start	780	End	3686

GI	none	Score	.49
Exons	780..3686		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52308	Strand	-
Start	780	End	6108
Name	OJ990604_02.9A01.C5.o1.np	Method	AAT/NAP
Start	783	End	5691
GI	6539553	Score	4819
Exons	783..3703, 5655..5691		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52308	Strand	-
Start	780	End	6108
Name	OJ990604_02.9A01.C5.o2.gs	Method	GENSCAN
Start	5121	End	6108
GI	none	Score	.99
Exons	5121..5658, 5687..6108		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	919	End	1395
GI	none	Score	347
Exons	919..1305, 920..1303, 957..1304, 1320..1394, 1324..1395		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o4.ts	Method	TBLASTX:Soybean
Start	1047	End	1388
GI	none	Score	83
Exons	1047..1256, 1126..1251, 1275..1388, 1282..1362		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	1251	End	1590
GI	none	Score	200
Exons	1251..1589, 1252..1590		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	1401	End	1746
GI	none	Score	124
Exons	1401..1745, 1546..1746		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-

Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	1599	End	2144
GI	none	Score	319
Exons	1599..1805, 1800..2144		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	1680	End	2145
GI	none	Score	55
Exons	1680..2144, 1783..1893, 1827..2009, 1963..2145		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	1815	End	2279
GI	5509260	Score	58
Exons	1815..2279, 1834..1893, 1966..2061, 2110..2178		
GI Descrip.	-		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	1926	End	2186
GI	none	Score	286
Exons	1926..2186		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	2199	End	2954
GI	none	Score	200
Exons	2199..2438, 2200..2358, 2216..2446, 2219..2416, 2467..2946, 2490..2954		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	2604	End	3002
GI	none	Score	38
Exons	2604..2777, 2731..2769, 2778..3002, 2823..2993, 2824..2994		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	2790	End	3224
GI	none	Score	87
Exons	2790..3224, 2815..3015		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5

Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o4.tw	Method	TBLASTX:Wheat
Start	2955	End	3147
GI	none	Score	186
Exons	2955..3146, 2955..3146, 3076..3147		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o5.ts	Method	TBLASTX:Soybean
Start	3012	End	3398
GI	none	Score	88
Exons	3012..3260, 3243..3398		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o4.tm	Method	TBLASTX:Maize
Start	3342	End	3590
GI	none	Score	44
Exons	3342..3404, 3361..3405, 3368..3412, 3416..3559, 3420..3560, 3420..3590, 3427..3588		

Seq. No.	25215	Seq. ID	OJ990604_02.9A01.C5
Gene No.	52309	Strand	-
Start	9913	End	10403
Name	OJ990604_02.9A01.C5.o4.gs	Method	GENSCAN
Start	9913	End	10403
GI	none	Score	.88
Exons	9913..9986, 10394..10403		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52310	Strand	+
Start	2319	End	8184
Name	OJ990604_02.9A01.C6.o1.np	Method	AAT/NAP
Start	2319	End	6893
GI	4680179	Score	6612
Exons	2319..6893		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52310	Strand	+
Start	2319	End	8184
Name	OJ990604_02.9A01.C6.o1.gs	Method	GENSCAN
Start	2322	End	8184
GI	none	Score	.42
Exons	2322..4139, 4158..6758, 7755..7866, 7957..8040, 8087..8184		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o7.tw	Method	TBLASTX:Wheat
Start	2588	End	2951
GI	none	Score	297
Exons	2588..2692, 2592..2951, 2717..2950		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o8.tm	Method	TBLASTX:Maize
Start	2832	End	3128
GI	none	Score	200
Exons	2832..3128, 2849..3019		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o6.tm	Method	TBLASTX:Maize
Start	3474	End	3794
GI	none	Score	209
Exons	3474..3794		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o8.tw	Method	TBLASTX:Wheat
Start	3527	End	3881
GI	none	Score	262
Exons	3527..3622, 3528..3881, 3711..3845		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o4.tw	Method	TBLASTX:Wheat
Start	4052	End	4538
GI	none	Score	533
Exons	4052..4495, 4056..4538, 4080..4496		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o5.tm	Method	TBLASTX:Maize
Start	4073	End	4357
GI	none	Score	308
Exons	4073..4138, 4074..4355, 4166..4357		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o4.ts	Method	TBLASTX:Soybean
Start	4125	End	4406
GI	none	Score	181
Exons	4125..4406		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o4.tm	Method	TBLASTX:Maize
Start	4425	End	4925
GI	none	Score	157
Exons	4425..4604, 4590..4925		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6

Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	4479	End	4875
GI	none	Score	57
Exons	4479..4511, 4479..4511, 4515..4874, 4518..4592, 4522..4875, 4522..4656, 4631..4873		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o5.tw	Method	TBLASTX:Wheat
Start	4587	End	4889
GI	none	Score	397
Exons	4587..4889, 4625..4888		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	4890	End	5399
GI	none	Score	630
Exons	4890..5399, 4890..5309, 4922..5398		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	4899	End	5141
GI	none	Score	197
Exons	4899..5141		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	4962	End	5315
GI	none	Score	470
Exons	4962..5315, 4964..5140, 5004..5300		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	5403	End	5882
GI	none	Score	586
Exons	5403..5882, 5421..5876, 5498..5881		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	5580	End	5906
GI	none	Score	91
Exons	5580..5762, 5763..5906, 5828..5905		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6

Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	5670	End	5930
GI	none	Score	299
Exons	5670..5930, 5675..5773, 5862..5930		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	5728	End	6020
GI	none	Score	390
Exons	5728..5919, 5730..6020, 5799..6011, 5831..6016		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	5889	End	6515
GI	none	Score	672
Exons	5889..6515, 5945..6514		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	6069	End	6656
GI	none	Score	226
Exons	6069..6230, 6075..6221, 6077..6223, 6228..6326, 6228..6296, 6230..6325, 6342..6512, 6387..6656, 6395..6655		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o6.tw	Method	TBLASTX:Wheat
Start	6515	End	6848
GI	none	Score	360
Exons	6515..6652, 6516..6848		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o7.tm	Method	TBLASTX:Maize
Start	6657	End	6869
GI	none	Score	200
Exons	6657..6869		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o2.np	Method	AAT/NAP
Start	7173	End	9186
GI	5295955	Score	694
Exons	7173..7286, 7314..7768, 7808..7883, 7962..8391, 9072..9186		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	25216	Seq. ID	OJ990604_02.9A01.C6
Gene No.	52311	Strand	-
Start	7173	End	9186
Name	OJ990604_02.9A01.C6.o2.gs	Method	GENSCAN
Start	8567	End	9186
GI	none	Score	.43
Exons	8567..8655, 9063..9186		

Seq. No.	25217	Seq. ID	OJ990604_02.9A01.C8
Gene No.	52312	Strand	+
Start	323	End	434
Name	OJ990604_02.9A01.C8.o1.gp	Method	AAT/GAP
Start	323	End	434
GI	uC-osf1cyp088b12b1	Score	157
Exons	323..434		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25218	Seq. ID	OJ990604_02.9A01.C10
Gene No.	52313	Strand	-
Start	336	End	479
Name	OJ990604_02.9A01.C10.o1.gs	Method	GENSCAN
Start	336	End	479
GI	none	Score	.83
Exons	336..479		

Seq. No.	25219	Seq. ID	OJ990604_02.9A01.C11
Gene No.	52314	Strand	-
Start	1	End	782
Name	OJ990604_02.9A01.C11.o1.np	Method	AAT/NAP
Start	1	End	782
GI	6063554	Score	82
Exons	1..283, 754..782		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25220	Seq. ID	OJ990604_02.9A01.C12
Gene No.	52315	Strand	-
Start	1	End	746
Name	OJ990604_02.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	746
GI	6815062	Score	657
Exons	1..746		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	25220	Seq. ID	OJ990604_02.9A01.C12
Gene No.	52315	Strand	-
Start	1	End	746
Name	OJ990604_02.9A01.C12.o1.gs	Method	GENSCAN
Start	11	End	599
GI	none	Score	.57
Exons	11..599		

Seq. No.	25220	Seq. ID	OJ990604_02.9A01.C12
Gene No.	52315	Strand	-
Start	1	End	746
Name	OJ990604_02.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	105	End	383
GI	none	Score	76
Exons	105..383, 202..327		

Seq. No.	25220	Seq. ID	OJ990604_02.9A01.C12
Gene No.	52315	Strand	-
Start	1	End	746
Name	OJ990604_02.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	510	End	737
GI	none	Score	109
Exons	510..737, 532..729, 558..731		

Seq. No.	25221	Seq. ID	OJ990604_02.9A01.C13
Gene No.	52316	Strand	-
Start	182	End	419
Name	OJ990604_02.9A01.C13.o1.gs	Method	GENSCAN
Start	182	End	419
GI	none	Score	.5
Exons	182..419		

Seq. No.	25222	Seq. ID	OJ990604_02.9A01.C14
Gene No.	52317	Strand	+
Start	534	End	730
Name	OJ990604_02.9A01.C14.o1.gs	Method	GENSCAN
Start	534	End	730
GI	none	Score	.91
Exons	534..730		

Seq. No.	25223	Seq. ID	OJ990604_02.9A01.C15
Gene No.	52318	Strand	-
Start	1	End	713
Name	OJ990604_02.9A01.C15.o1.np	Method	AAT/NAP
Start	1	End	713
GI	5295955	Score	157
Exons	1..79, 215..329, 656..713		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	25224	Seq. ID	OJ990604_02.9A01.C16
Gene No.	52319	Strand	+
Start	743	End	1622
Name	OJ990604_02.9A01.C16.o1.np	Method	AAT/NAP
Start	743	End	1622
GI	6907086	Score	953
Exons	743..1622		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25224	Seq. ID	OJ990604_02.9A01.C16
Gene No.	52319	Strand	+
Start	743	End	1622
Name	OJ990604_02.9A01.C16.o1.gs	Method	GENSCAN
Start	945	End	1478
GI	none	Score	.99

Exons	945..1478		
Seq. No.	25225	Seq. ID	OJ990604_02.9A01.C17
Gene No.	52320	Strand	+
Start	393	End	591
Name	OJ990604_02.9A01.C17.o1.gs	Method	GENSCAN
Start	393	End	591
GI	none	Score	.41
Exons	393..591		
Seq. No.	25226	Seq. ID	OJ990604_02.9A01.C18
Gene No.	52321	Strand	-
Start	138	End	215
Name	OJ990604_02.9A01.C18.o1.gs	Method	GENSCAN
Start	138	End	215
GI	none	Score	.67
Exons	138..215		
Seq. No.	25227	Seq. ID	OJ990604_02.9A01.C19
Gene No.	52322	Strand	-
Start	1	End	1991
Name	OJ990604_02.9A01.C19.o1.np	Method	AAT/NAP
Start	1	End	1991
GI	6815062	Score	1049
Exons	1..207, 314..364, 435..533, 610..919, 978..1218, 1304..1991		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	25227	Seq. ID	OJ990604_02.9A01.C19
Gene No.	52322	Strand	-
Start	1	End	1991
Name	OJ990604_02.9A01.C19.o1.gs	Method	GENSCAN
Start	69	End	1960
GI	none	Score	.84
Exons	69..364, 435..533, 610..751, 895..904, 1010..1103, 1304..1960		
Seq. No.	25227	Seq. ID	OJ990604_02.9A01.C19
Gene No.	52322	Strand	-
Start	1	End	1991
Name	OJ990604_02.9A01.C19.o2.tm	Method	TBLASTX:Maize
Start	610	End	1218
GI	none	Score	102
Exons	610..795, 838..912, 1009..1218, 1010..1162		
Seq. No.	25227	Seq. ID	OJ990604_02.9A01.C19
Gene No.	52322	Strand	-
Start	1	End	1991
Name	OJ990604_02.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	1457	End	1961
GI	none	Score	201
Exons	1457..1795, 1461..1766, 1541..1795, 1826..1960, 1836..1961		
Seq. No.	25228	Seq. ID	OJ990604_02.9A01.C20
Gene No.	52323	Strand	-
Start	1	End	292
Name	OJ990604_02.9A01.C20.o1.np	Method	AAT/NAP

Start	1	End	292
GI	5852093	Score	42
Exons	1..77, 145..292		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	25228	Seq. ID	OJ990604_02.9A01.C20
Gene No.	52324	Strand	-
Start	406	End	609
Name	OJ990604_02.9A01.C20.o1.gs	Method	GENSCAN
Start	406	End	609
GI	none	Score	.88
Exons	406..609		

Seq. No.	25228	Seq. ID	OJ990604_02.9A01.C20
Gene No.	52325	Strand	-
Start	628	End	800
Name	OJ990604_02.9A01.C20.o1.gp	Method	AAT/GAP
Start	628	End	800
GI	61605_1.R1084	Score	312
Exons	628..800		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25229	Seq. ID	OJ990604_02.9A01.C21
Gene No.	52326	Strand	+
Start	1	End	490
Name	OJ990604_02.9A01.C21.o1.np	Method	AAT/NAP
Start	1	End	490
GI	421955	Score	460
Exons	1..490		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi|21434|emb|CAA36616| (X52387) ORF4 [Solanum tuberosum]		

Seq. No.	25229	Seq. ID	OJ990604_02.9A01.C21
Gene No.	52326	Strand	+
Start	1	End	490
Name	OJ990604_02.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	38	End	438
GI	none	Score	70
Exons	38..145, 148..303, 288..437, 289..438		

Seq. No.	25229	Seq. ID	OJ990604_02.9A01.C21
Gene No.	52326	Strand	+
Start	1	End	490
Name	OJ990604_02.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	148	End	489
GI	none	Score	146
Exons	148..300, 150..299, 328..489, 367..483		

Seq. No.	25229	Seq. ID	OJ990604_02.9A01.C21
Gene No.	52326	Strand	+
Start	1	End	490
Name	OJ990604_02.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	148	End	483
GI	none	Score	108
Exons	148..297, 150..296, 318..437, 319..483		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52327	Strand	+
Start	1	End	243
Name	OJ990604_02.9A01.C22.o1.np	Method	AAT/NAP
Start	1	End	243
GI	2586082	Score	162
Exons	1..243		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52328	Strand	+
Start	6197	End	13480
Name	OJ990604_02.9A01.C22.o2.gs	Method	GENSCAN
Start	6197	End	13480
GI	none	Score	.58
Exons	6197..6328, 6443..6587, 6608..7101, 7255..7329, 7385..7507, 8273..8370, 9107..9219, 10713..10971, 11010..11137, 11314..11570, 13187..13480		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52329	Strand	+
Start	16059	End	16278
Name	OJ990604_02.9A01.C22.o2.gp	Method	AAT/GAP
Start	16059	End	16278
GI	5867_1.R1084	Score	113
Exons	16059..16136, 16252..16278		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o3.ts	Method	TBLASTX:Soybean
Start	1	End	271
GI	none	Score	179
Exons	1..99, 10..207, 212..271, 214..270		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o5.tm	Method	TBLASTX:Maize
Start	1	End	311
GI	none	Score	212
Exons	1..189, 9..83, 180..272, 188..271, 207..311, 211..276		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o3.np	Method	AAT/NAP
Start	97	End	22307
GI	423830	Score	94
Exons	97..177, 6863..7356, 21678..22307		

GI Descrip.	transactivator EBNA-2 - Herpesvirus papio HVP gi|306316|gb|AAA79034.1| (AF200364) EBNA-2 [Herpesvirus papio]		
Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o1.gp	Method	AAT/GAP
Start	1707	End	6907
GI	888_1.R1084	Score	1913
Exons	1707..2071, 2486..2619, 2716..2754, 3346..3387, 3503..3602, 3682..3746, 3841..3919, 6647..6907		
GI Descrip.	'6006607/emb|CAB56800.1| 1.0e-133 (AJ011675) MADS box protein, MADS28 [Oryza sativa]'		
Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o1.gs	Method	GENSCAN
Start	1953	End	3918
GI	none	Score	.83
Exons	1953..2100, 2486..2676, 2716..2754, 3346..3387, 3503..3602, 3682..3746, 3841..3918		
Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o2.np	Method	AAT/NAP
Start	1969	End	6831
GI	6006607	Score	1061
Exons	1969..2071, 2486..2619, 2716..2754, 3346..3387, 3503..3602, 3682..3746, 3841..3919, 6647..6831		
GI Descrip.	(AJ011675) MADS box protein, MADS28 [Oryza sativa]		
Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o4.tm	Method	TBLASTX:Maize
Start	1978	End	3925
GI	none	Score	74
Exons	1978..2046, 1979..2047, 2489..2599, 2492..2572, 2557..2628, 2562..2621, 3344..3388, 3344..3388, 3483..3593, 3491..3604, 3503..3604, 3504..3605, 3505..3612, 3681..3743, 3688..3747, 3836..3925, 3840..3917, 3841..3921		
Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o2.tc	Method	TBLASTX:Cress
Start	3503	End	6832
GI	none	Score	67
Exons	3503..3604, 3504..3593, 3678..3746, 6649..6831, 6650..6832		
Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o3.tw	Method	TBLASTX:Wheat
Start	3533	End	6837

GI	none	Score	183
Exons	3533..3604, 6655..6837, 6656..6832		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o2.ts	Method	TBLASTX:Soybean
Start	3681	End	6832
GI	none	Score	62
Exons	3681..3746, 3862..3918, 6649..6729, 6655..6831, 6656..6832		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o3.tm	Method	TBLASTX:Maize
Start	6643	End	6832
GI	none	Score	259
Exons	6643..6831, 6644..6832		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o3.gs	Method	GENSCAN
Start	13686	End	14951
GI	none	Score	.59
Exons	13686..13805, 13996..14134, 14755..14951		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o3.gp	Method	AAT/GAP
Start	17665	End	18126
GI	LIB3432-059-P1-K1-D8	Score	733
Exons	17665..18126		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o4.gp	Method	AAT/GAP
Start	18842	End	19225
GI	none	Score	736
Exons	18842..19225		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o4.gs	Method	GENSCAN
Start	19101	End	22314
GI	none	Score	.48
Exons	19101..19445, 19551..19912, 19929..20058, 21703..22314		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o4.np	Method	AAT/NAP

Start	19110	End	22032
GI	6403494	Score	1547
Exons	19110..19445, 19551..19744, 19800..20058, 21703..22032		
GI Descrip.	(AC010871) putative reversibly glycosylatable polypeptide [Arabidopsis thaliana]		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o1.tc	Method	TBLASTX:Cress
Start	19123	End	21999
GI	none	Score	273
Exons	19123..19455, 19137..19448, 19331..19522, 19548..19721, 19548..19721, 19549..19737, 19549..19725, 19756..20058, 19803..19892, 19805..20059, 21688..21999, 21689..21976		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	19131	End	20017
GI	none	Score	298
Exons	19131..19445, 19132..19446, 19332..19448, 19531..19746, 19536..19721, 19537..19722, 19802..20017, 19803..20015, 19804..20016		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o1.ts	Method	TBLASTX:Soybean
Start	19152	End	21999
GI	none	Score	94
Exons	19152..19274, 19152..19448, 19162..19446, 19332..19448, 19548..19721, 19548..19736, 19549..19725, 19756..20058, 19803..19892, 19805..20059, 21688..21999, 21689..21976		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o1.tw	Method	TBLASTX:Wheat
Start	19176	End	19713
GI	none	Score	84
Exons	19176..19280, 19176..19448, 19177..19458, 19180..19446, 19332..19448, 19548..19712, 19548..19712, 19549..19713		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o2.tm	Method	TBLASTX:Maize
Start	20020	End	22002
GI	none	Score	341
Exons	20020..20058, 21688..22002, 21689..21976		

Seq. No.	25230	Seq. ID	OJ990604_02.9A01.C22
Gene No.	52330	Strand	-
Start	97	End	22314
Name	OJ990604_02.9A01.C22.o2.tw	Method	TBLASTX:Wheat

Start	21709	End	21999
GI	none	Score	320
Exons	21709..21999, 21710..21976		

Seq. No.	25231	Seq. ID	OJ990604_02.9A01.C23
Gene No.	52331	Strand	-
Start	334	End	559
Name	OJ990604_02.9A01.C23.o1.np	Method	AAT/NAP
Start	334	End	559
GI	6523547	Score	83
Exons	334..559		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	25232	Seq. ID	OJ990604_02.9A01.C24
Gene No.	52332	Strand	+
Start	91	End	1231
Name	OJ990604_02.9A01.C24.o1.gs	Method	GENSCAN
Start	91	End	1231
GI	none	Score	.75
Exons	91..161, 527..605, 610..829, 852..1231		

Seq. No.	25233	Seq. ID	OJ990604_02.9A01.C25
Gene No.	52333	Strand	+
Start	15875	End	16286
Name	OJ990604_02.9A01.C25.o3.gs	Method	GENSCAN
Start	15875	End	16286
GI	none	Score	.73
Exons	15875..15977, 16104..16286		

Seq. No.	25233	Seq. ID	OJ990604_02.9A01.C25
Gene No.	52334	Strand	-
Start	4538	End	4936
Name	OJ990604_02.9A01.C25.o1.gp	Method	AAT/GAP
Start	4538	End	4936
GI	none	Score	794
Exons	4538..4936		

Seq. No.	25233	Seq. ID	OJ990604_02.9A01.C25
Gene No.	52335	Strand	-
Start	8580	End	8873
Name	OJ990604_02.9A01.C25.o2.gp	Method	AAT/GAP
Start	8580	End	8873
GI	1632299	Score	466
Exons	8580..8873		

Seq. No.	25233	Seq. ID	OJ990604_02.9A01.C25
Gene No.	52336	Strand	
Start	15029	End	15333
Name	OJ990604_02.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	15029	End	15333
GI	none	Score	299
Exons	15029..15325, 15037..15333		

Seq. No.	25234	Seq. ID	OJ990604_02.9A01.C26
Gene No.	52337	Strand	+
Start	1	End	585

Name	OJ990604_02.9A01.C26.o1.np	Method	AAT/NAP
Start	1	End	585
GI	4309765	Score	434
Exons	1..585		
GI Descrip.	(AC006217) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25234	Seq. ID	OJ990604_02.9A01.C26
Gene No.	52337	Strand	+
Start	1	End	585
Name	OJ990604_02.9A01.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	307
GI	none	Score	218
Exons	2..190, 6..194, 7..189, 68..193, 218..307, 222..293, 227..307		

Seq. No.	25234	Seq. ID	OJ990604_02.9A01.C26
Gene No.	52337	Strand	+
Start	1	End	585
Name	OJ990604_02.9A01.C26.o1.ts	Method	TBLASTX:Soybean
Start	194	End	559
GI	none	Score	46
Exons	194..244, 227..559, 248..559		

Seq. No.	25234	Seq. ID	OJ990604_02.9A01.C26
Gene No.	52337	Strand	+
Start	1	End	585
Name	OJ990604_02.9A01.C26.o1.tw	Method	TBLASTX:Wheat
Start	215	End	583
GI	none	Score	263
Exons	215..583, 271..570		

Seq. No.	25234	Seq. ID	OJ990604_02.9A01.C26
Gene No.	52337	Strand	+
Start	1	End	585
Name	OJ990604_02.9A01.C26.o2.tm	Method	TBLASTX:Maize
Start	314	End	585
GI	none	Score	215
Exons	314..583, 358..585		

Seq. No.	25235	Seq. ID	OJ990604_02.9A01.C30
Gene No.	52338	Strand	-
Start	85	End	233
Name	OJ990604_02.9A01.C30.o1.gs	Method	GENSCAN
Start	85	End	233
GI	none	Score	.63
Exons	85..233		

Seq. No.	25236	Seq. ID	OJ990604_02.9A01.C31
Gene No.	52339	Strand	+
Start	1	End	682
Name	OJ990604_02.9A01.C31.o1.np	Method	AAT/NAP
Start	1	End	682
GI	6175371	Score	187
Exons	1..199, 297..340, 437..569, 661..682		
GI Descrip.	(AF091458) MADS box transcription factor MADS18 [Oryza sativa]		

Seq. No.	25236	Seq. ID	OJ990604_02.9A01.C31

Gene No.	52339	Strand	+
Start	1	End	682
Name	OJ990604_02.9A01.C31.o1.gp	Method	AAT/GAP
Start	125	End	569
GI	888_1.R1084	Score	284
Exons	125..199, 297..340, 437..569		
GI Descrip.	'6006607/emb|CAB56800.1| 1.0e-133 (AJ011675) MADS box protein, MADS28 [Oryza sativa]'		

Seq. No.	25236	Seq. ID	OJ990604_02.9A01.C31
Gene No.	52339	Strand	+
Start	1	End	682
Name	OJ990604_02.9A01.C31.o1.gs	Method	GENSCAN
Start	235	End	569
GI	none	Score	.71
Exons	235..253, 380..569		

Seq. No.	25237	Seq. ID	OJ990604_02.9A01.C32
Gene No.	52340	Strand	-
Start	1	End	723
Name	OJ990604_02.9A01.C32.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6539553	Score	801
Exons	1..20, 159..723		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	25237	Seq. ID	OJ990604_02.9A01.C32
Gene No.	52340	Strand	-
Start	1	End	723
Name	OJ990604_02.9A01.C32.o1.ts	Method	TBLASTX:Soybean
Start	169	End	453
GI	5509260	Score	216
Exons	169..453		
GI Descrip.	-		

Seq. No.	25237	Seq. ID	OJ990604_02.9A01.C32
Gene No.	52340	Strand	-
Start	1	End	723
Name	OJ990604_02.9A01.C32.o1.tm	Method	TBLASTX:Maize
Start	178	End	448
GI	none	Score	70
Exons	178..447, 284..448		

Seq. No.	25237	Seq. ID	OJ990604_02.9A01.C32
Gene No.	52340	Strand	-
Start	1	End	723
Name	OJ990604_02.9A01.C32.o1.tc	Method	TBLASTX:Cress
Start	184	End	360
GI	none	Score	62
Exons	184..360, 281..358		

Seq. No.	25237	Seq. ID	OJ990604_02.9A01.C32
Gene No.	52340	Strand	-
Start	1	End	723

Name	OJ990604_02.9A01.C32.o1.tw	Method	TBLASTX:Wheat
Start	373	End	620
GI	none	Score	200
Exons	373..612, 374..532, 390..620, 393..590		

Seq. No.	25238	Seq. ID	OJ990604_02.9A01.C35
Gene No.	52341	Strand	+
Start	60	End	313
Name	OJ990604_02.9A01.C35.o1.gs	Method	GENSCAN
Start	60	End	313
GI	none	Score	.55
Exons	60..100, 130..313		

Seq. No.	25239	Seq. ID	OJ990624_17.9B19.C2
Gene No.	52342	Strand	-
Start	1	End	695
Name	OJ990624_17.9B19.C2.o1.np	Method	AAT/NAP
Start	1	End	695
GI	3420050	Score	279
Exons	1..287, 462..695		
GI Descrip.	(AC004680) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25239	Seq. ID	OJ990624_17.9B19.C2
Gene No.	52342	Strand	-
Start	1	End	695
Name	OJ990624_17.9B19.C2.o1.gs	Method	GENSCAN
Start	129	End	679
GI	none	Score	.9
Exons	129..287, 462..679		

Seq. No.	25239	Seq. ID	OJ990624_17.9B19.C2
Gene No.	52342	Strand	-
Start	1	End	695
Name	OJ990624_17.9B19.C2.o1.tc	Method	TBLASTX:Cress
Start	158	End	643
GI	none	Score	61
Exons	158..286, 159..251, 456..641, 458..643		

Seq. No.	25239	Seq. ID	OJ990624_17.9B19.C2
Gene No.	52342	Strand	-
Start	1	End	695
Name	OJ990624_17.9B19.C2.o1.ts	Method	TBLASTX:Soybean
Start	230	End	640
GI	none	Score	125
Exons	230..286, 458..640, 486..635		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o1.gs	Method	GENSCAN
Start	474	End	14603
GI	none	Score	.53
Exons	474..518, 636..798, 2470..2792, 2839..3057, 3180..3315, 3722..3797, 4344..4542, 7445..7515, 9652..9850, 10772..10968, 11517..11655, 11692..11874, 11992..12133, 12282..12472, 12597..12758, 12866..12946, 13183..13233, 13755..13835, 14095..14202, 14316..14603		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o1.np	Method	AAT/NAP
Start	502	End	608
GI	769712	Score	144
Exons	502..608		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o1.gp	Method	AAT/GAP
Start	607	End	680
GI	2310739	Score	93
Exons	607..680		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o3.gp	Method	AAT/GAP
Start	938	End	1022
GI	287004	Score	135
Exons	938..1022		
GI Descrip.	19560/emb|Z11889|MITTARRNG 1.0e-167 T.aestivum mitochondrion rrn26 gene for rRNA large subunit (26S)		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o4.gp	Method	AAT/GAP
Start	10845	End	12156
GI	30956_1.R1084	Score	977
Exons	10845..11010, 11517..11655, 11776..11874, 11992..12156		
GI Descrip.	'6049841/gb|AAF02775.1|AF190728_1 4.0e-61 (AF190728) asparagine synthetase [Helianthus annuus]'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o3.np	Method	AAT/NAP
Start	10931	End	14546
GI	1351989	Score	1577
Exons	10931..11010, 11517..11655, 11776..11874, 11992..12133, 12282..12472, 12597..12758, 12866..12946, 13183..13404, 13520..13654, 13755..13835, 13923..14009, 14095..14202, 14316..14546		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|984262|emb|CAA58052| (X82849) asparragine synthetase [Zea mays]		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+

Start	474	End	14618
Name	OJ990624_17.9B19.C4.o5.gp	Method	AAT/GAP
Start	12304	End	13269
GI	uC-osroM202013b06b1	Score	897
Exons	12304..12472, 12597..12758, 12866..12946, 13183..13269		
GI Descrip.	'6049841/gb|AAF02775.1|AF190728_1 9.0e-66 (AF190728) asparagine synthetase [Helianthus annuus]'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o7.gp	Method	AAT/GAP
Start	14089	End	14557
GI	21403_1.R1084	Score	548
Exons	14089..14202, 14316..14557		
GI Descrip.	'1351989/sp|P49094|ASNS_MAIZE 3.0e-30 ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) >gi_984262_emb_CAA58052_ (X82849) asparragine synthetase [Zea mays]'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52343	Strand	+
Start	474	End	14618
Name	OJ990624_17.9B19.C4.o8.gp	Method	AAT/GAP
Start	14155	End	14618
GI	21403_1.R1084	Score	484
Exons	14155..14202, 14316..14618		
GI Descrip.	'1351989/sp|P49094|ASNS_MAIZE 3.0e-30 ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) >gi_984262_emb_CAA58052_ (X82849) asparragine synthetase [Zea mays]'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52344	Strand	-
Start	759	End	869
Name	OJ990624_17.9B19.C4.o2.gp	Method	AAT/GAP
Start	759	End	869
GI	24824_1.R1084	Score	162
Exons	759..869		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o2.tw	Method	TBLASTX:Wheat
Start	732	End	869
GI	none	Score	204
Exons	732..869, 759..827, 760..843, 761..868		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o3.tm	Method	TBLASTX:Maize
Start	759	End	869
GI	none	Score	193

Exons	759..869, 759..827, 760..843, 761..868		
Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o1.tw	Method	TBLASTX:Wheat
Start	937	End	1107
GI	none	Score	264
Exons	937..1107, 938..1096, 1050..1100, 1066..1101		
Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o2.ts	Method	TBLASTX:Soybean
Start	10834	End	12120
GI	none	Score	95
Exons	10834..11010, 10925..11029, 11511..11669, 11515..11658, 11779..11826, 11812..11874, 11835..11864, 11992..12120, 11992..12057, 12036..12119		
Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	10900	End	14591
GI	none	Score	78
Exons	10900..11004, 10927..11010, 10931..11029, 10931..11068, 10932..11042, 11470..11655, 11514..11672, 11515..11655, 11520..11660, 11765..11803, 11775..11870, 11775..11870, 11776..11874, 11836..11874, 11992..12138, 11992..12063, 12036..12134, 12280..12399, 12281..12397, 12400..12471, 12401..12472, 12430..12474, 12594..12758, 12596..12790, 12683..12763, 12863..12946, 12865..12960, 12865..12942, 13182..13268, 13182..13268, 13183..13269, 13360..13407, 13361..13411, 13362..13412, 13609..13653, 13610..13654, 13610..13660, 13673..13831, 13755..13835, 13755..13835, 13982..14011, 13983..14012, 14092..14202, 14093..14206, 14301..14429, 14315..14428, 14547..14591		
Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o1.tc	Method	TBLASTX:Cress
Start	10928	End	14425
GI	none	Score	96
Exons	10928..11029, 11511..11669, 11515..11658, 11764..11826, 11780..11803, 11803..11874, 11835..11864, 11992..12138, 11992..12063, 12036..12134, 12280..12471, 12281..12472, 12594..12758, 12596..12754, 12863..12946, 12865..12942, 13179..13268, 13183..13269, 13363..13407, 13610..13657, 13649..13834, 13764..13835, 14095..14202, 14313..14423, 14321..14425		
Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o3.ts	Method	TBLASTX:Soybean

Start	12307	End	14396
GI	none	Score	140
Exons	12307..12435, 12335..12436, 12594..12632, 12732..12758, 12863..12943, 12865..12942, 13182..13268, 13183..13269, 13362..13403, 13363..13407, 13608..13658, 13613..13657, 13733..13831, 13761..13835, 13764..13835, 13917..14012, 14094..14198, 14095..14202, 14301..14396, 14318..14389		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o9.gp	Method	AAT/GAP
Start	14901	End	15807
GI	75839_1.R1084	Score	1331
Exons	14901..15359, 15449..15601, 15699..15807		
GI Descrip.	'6016691/gb|AAF01518.1|AC009991_14 1.0e-35 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o4.np	Method	AAT/NAP
Start	15020	End	18559
GI	6016691	Score	720
Exons	15020..15359, 15449..15601, 15699..15898, 15992..16169, 18309..18559		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o2.gs	Method	GENSCAN
Start	15026	End	18923
GI	none	Score	.73
Exons	15026..15359, 15530..15601, 15699..15898, 15992..16169, 16559..16644, 17139..17253, 17406..17588, 18309..18648, 18818..18923		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o2.tc	Method	TBLASTX:Cress
Start	15026	End	15358
GI	none	Score	144
Exons	15026..15133, 15155..15358		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o1.ts	Method	TBLASTX:Soybean
Start	15029	End	15748
GI	none	Score	79
Exons	15029..15277, 15039..15110, 15302..15361, 15448..15588, 15704..15748		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-

Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o2.tm	Method	TBLASTX:Maize
Start	15029	End	18475
GI	none	Score	83
Exons	15029..15226, 15051..15095, 15305..15361, 15448..15576, 15701..15796, 15722..15772, 15839..15901, 15840..15899, 16052..16171, 16053..16172, 18306..18455, 18308..18475		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o3.tc	Method	TBLASTX:Cress
Start	15448	End	15889
GI	none	Score	87
Exons	15448..15588, 15695..15793, 15704..15811, 15839..15889, 15840..15881		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o10.gp	Method	AAT/GAP
Start	16748	End	17176
GI	LIB3475-004-P1-K2-A5	Score	219
Exons	16748..16890, 17143..17176		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o11.gp	Method	AAT/GAP
Start	17097	End	17335
GI	LIB3475-004-P1-K2-A5	Score	384
Exons	17097..17335		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	25240	Seq. ID	OJ990624_17.9B19.C4
Gene No.	52345	Strand	-
Start	15026	End	18923
Name	OJ990624_17.9B19.C4.o4.ts	Method	TBLASTX:Soybean
Start	18320	End	18490
GI	none	Score	84
Exons	18320..18490, 18360..18476		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52346	Strand	+
Start	1	End	1699
Name	OJ990624_17.9B19.C5.o1.gp	Method	AAT/GAP
Start	1	End	331
GI	7406_1.R1084	Score	459
Exons	1..210, 237..331		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52346	Strand	+

Start	1	End	1699
Name	OJ990624_17.9B19.C5.o1.gs	Method	GENSCAN
Start	223	End	1699
GI	none	Score	.72
Exons	223..272, 1538..1699		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52346	Strand	+
Start	1	End	1699
Name	OJ990624_17.9B19.C5.o2.gp	Method	AAT/GAP
Start	1461	End	1613
GI	7406_1.R1084	Score	223
Exons	1461..1613		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52347	Strand	-
Start	831	End	940
Name	OJ990624_17.9B19.C5.o1.np	Method	AAT/NAP
Start	831	End	940
GI	5441880	Score	164
Exons	831..940		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52348	Strand	-
Start	872	End	1629
Name	OJ990624_17.9B19.C5.o2.np	Method	AAT/NAP
Start	872	End	1629
GI	6721543	Score	112
Exons	872..988, 1502..1629		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52349	Strand	-
Start	2334	End	5803
Name	OJ990624_17.9B19.C5.o2.gs	Method	GENSCAN
Start	2334	End	5803
GI	none	Score	.58
Exons	2334..2679, 2911..3069, 3244..3469, 3526..3701, 3767..4165, 5554..5803		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52349	Strand	-
Start	2334	End	5803
Name	OJ990624_17.9B19.C5.o3.np	Method	AAT/NAP
Start	2340	End	5053
GI	3420050	Score	810
Exons	2340..2705, 2911..3069, 3244..3422, 3530..3701, 3767..3944, 4895..5053		
GI Descrip.	(AC004680) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52349	Strand	-

Start	2334	End	5803
Name	OJ990624_17.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	2347	End	3882
GI	none	Score	98
Exons	2347..2412, 2367..2411, 2454..2561, 2910..3068, 2914..3030, 3238..3321, 3240..3320, 3330..3425, 3331..3435, 3533..3703, 3606..3704, 3766..3882, 3767..3871		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52349	Strand	-
Start	2334	End	5803
Name	OJ990624_17.9B19.C5.o1.tc	Method	TBLASTX:Cress
Start	2940	End	3882
GI	none	Score	61
Exons	2940..3068, 2941..3033, 3238..3423, 3240..3425, 3533..3703, 3606..3704, 3766..3882		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52349	Strand	-
Start	2334	End	5803
Name	OJ990624_17.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	3246	End	3810
GI	none	Score	73
Exons	3246..3332, 3375..3422, 3536..3703, 3564..3704, 3766..3810		

Seq. No.	25241	Seq. ID	OJ990624_17.9B19.C5
Gene No.	52349	Strand	-
Start	2334	End	5803
Name	OJ990624_17.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	3596	End	4047
GI	none	Score	170
Exons	3596..3703, 3600..3704, 3764..3883, 3765..3848, 3766..3951, 3767..3955, 3949..3996, 3950..3997, 3982..4047		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52350	Strand	+
Start	61	End	258
Name	OJ990624_17.9B19.C6.o1.gs	Method	GENSCAN
Start	61	End	258
GI	none	Score	1
Exons	61..258		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52351	Strand	+
Start	1505	End	3426
Name	OJ990624_17.9B19.C6.o2.gs	Method	GENSCAN
Start	1505	End	3426
GI	none	Score	.44
Exons	1505..1589, 2547..2705, 2739..2996, 3094..3320, 3334..3426		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52351	Strand	+
Start	1505	End	3426
Name	OJ990624_17.9B19.C6.o1.np	Method	AAT/NAP
Start	2817	End	2936
GI	5777617	Score	80
Exons	2817..2936		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52352	Strand	+
Start	6464	End	23707
Name	OJ990624_17.9B19.C6.o3.gs	Method	GENSCAN
Start	6464	End	23707
GI	none	Score	63
Exons	6464..6644, 6819..6893, 7754..7881, 7999..8090, 10592..10697, 11281..11345, 11487..11585, 12402..12510, 13214..13300, 13387..13453, 14278..14446, 15113..15248, 16306..16422, 17227..17310, 17489..17793, 19814..19934, 20775..21406, 21517..21606, 21712..21778, 22051..22236, 22338..22418, 23291..23428, 23519..23707		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52352	Strand	+
Start	6464	End	23707
Name	OJ990624_17.9B19.C6.o4.np	Method	AAT/NAP
Start	6499	End	13665
GI	1657619	Score	1274
Exons	6499..6641, 6819..6893, 7754..7881, 7999..8090, 8208..8265, 9213..9269, 9359..9392, 9651..9731, 9848..9954, 10441..10527, 10620..10697, 11281..11345, 11487..11585, 11730..11829, 12402..12510, 12579..12651, 12747..12840, 13214..13297, 13387..13453, 13541..13665		
GI Descrip.	(U72504) G5p [Arabidopsis thaliana] gi|3068710|gb|AAC14410.1| (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52352	Strand	+
Start	6464	End	23707
Name	OJ990624_17.9B19.C6.o3.gp	Method	AAT/GAP
Start	12715	End	13152
GI	3760383	Score	784
Exons	12715..13152		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52352	Strand	+
Start	6464	End	23707
Name	OJ990624_17.9B19.C6.o4.gp	Method	AAT/GAP
Start	15140	End	15870
GI	uC-osflcyp156a09b1	Score	980
Exons	15140..15248, 15343..15405, 15508..15870		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52352	Strand	+
Start	6464	End	23707
Name	OJ990624_17.9B19.C6.o5.gp	Method	AAT/GAP
Start	20813	End	21088
GI	uC-osflm202107g06b1	Score	512
Exons	20813..21088		
GI Descrip.	'2446995/dbj|D63953|D63953 3.0e-16 Zea mays FAD8 mRNA for fatty acid desaturase, partial cds'		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52352	Strand	+
Start	6464	End	23707
Name	OJ990624_17.9B19.C6.o5.np	Method	AAT/NAP
Start	21025	End	23704
GI	2446996	Score	1650
Exons	21025..21128, 21157..21406, 21517..21606, 21712..21778, 21857..21949, 22051..22236, 22338..22418, 23291..23428, 23519..23704		
GI Descrip.	(D63953) fatty acid desaturase [Zea mays] gi|2447000|dbj|BAA22442| (D84409) fatty acid desaturase [Zea mays]		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52353	Strand	-
Start	816	End	1233
Name	OJ990624_17.9B19.C6.o2.gp	Method	AAT/GAP
Start	816	End	1233
GI	2799908	Score	577
Exons	816..916, 951..1233		
GI Descrip.	2149018/gb|U70541|OSU70541 1.0e-23 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52354	Strand	-
Start	4114	End	5422
Name	OJ990624_17.9B19.C6.o3.np	Method	AAT/NAP
Start	4114	End	5422
GI	5777617	Score	69
Exons	4114..4211, 5401..5422		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52355	Strand	
Start	6446	End	6910
Name	OJ990624_17.9B19.C6.o5.tm	Method	TBLASTX:Maize
Start	6446	End	6910
GI	none	Score	209
Exons	6446..6640, 6568..6639, 6817..6897, 6818..6910		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52356	Strand	
Start	6818	End	13683
Name	OJ990624_17.9B19.C6.o2.tc	Method	TBLASTX:Cress
Start	6818	End	13671
GI	none	Score	85
Exons	6818..6895, 7746..7874, 7747..7881, 7810..7884, 7981..8088, 7998..8090, 9210..9272, 9626..9733, 9846..9956, 9847..9957, 10440..10526, 10441..10527, 10598..10666, 10620..10697, 11274..11348, 11278..11358, 11484..11594, 11485..11595, 11730..11825, 11731..11829, 12398..12460, 12574..12648, 12575..12652, 12744..12842, 12745..12840, 13211..13276, 13212..13265, 13387..13452, 13389..13442, 13542..13670, 13543..13671		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52356	Strand	
Start	6818	End	13683
Name	OJ990624_17.9B19.C6.o6.tm	Method	TBLASTX:Maize
Start	8199	End	9942
GI	none	Score	96
Exons	8199..8264, 8200..8292, 8203..8268, 9213..9245, 9362..9412, 9651..9731, 9652..9738, 9653..9733, 9846..9941, 9846..9941, 9847..9942		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52356	Strand	
Start	6818	End	13683
Name	OJ990624_17.9B19.C6.o2.tm	Method	TBLASTX:Maize
Start	10644	End	11595
GI	none	Score	76
Exons	10644..10697, 11278..11370, 11284..11370, 11288..11371, 11477..11593, 11484..11594, 11485..11595		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52356	Strand	
Start	6818	End	13683
Name	OJ990624_17.9B19.C6.o4.tm	Method	TBLASTX:Maize
Start	12578	End	13452
GI	none	Score	105
Exons	12578..12652, 12580..12648, 12598..12669, 12741..12833, 12744..12842, 12745..12840, 12749..12877, 12749..12853, 13202..13285, 13204..13284, 13207..13293, 13211..13297, 13212..13298, 13332..13451, 13364..13426, 13386..13445, 13387..13452, 13387..13452		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52356	Strand	
Start	6818	End	13683
Name	OJ990624_17.9B19.C6.o7.tm	Method	TBLASTX:Maize
Start	13552	End	13683
GI	none	Score	186
Exons	13552..13683, 13554..13676, 13571..13678		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52357	Strand	
Start	14613	End	15625
Name	OJ990624_17.9B19.C6.o3.tm	Method	TBLASTX:Maize
Start	14613	End	15625
GI	none	Score	44
Exons	14613..14645, 14737..14895, 14949..15041, 14965..14982, 15117..15248, 15137..15253, 15155..15250, 15343..15402, 15505..15609, 15505..15609, 15506..15625		

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52358	Strand	
Start	21204	End	23710
Name	OJ990624_17.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	21204	End	23682
GI	none	Score	250
Exons	21204..21404, 21212..21271, 21222..21404, 21344..21406, 21517..21606, 21518..21607, 21712..21777, 21713..21781,		

21857..21949, 22024..22233, 22046..22195, 22056..22217,
22060..22239, 22337..22426, 22338..22418, 23290..23427,
23291..23446, 23518..23682, 23519..23677

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52358	Strand	
Start	21204	End	23710
Name	OJ990624_17.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	21204	End	23698
GI	none	Score	268

Exons 21204..21404, 21210..21404, 21344..21406, 21501..21563,
21517..21603, 21518..21607, 21712..21777, 21713..21781,
21857..21949, 21862..21954, 22024..22239, 22056..22235,
22337..22426, 22338..22418, 22339..22419, 22340..22420,
23290..23427, 23291..23446, 23518..23571, 23519..23575,
23519..23572, 23549..23698, 23569..23688, 23618..23689

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52358	Strand	
Start	21204	End	23710
Name	OJ990624_17.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	21517	End	23710
GI	none	Score	156

Exons 21517..21603, 21518..21607, 21704..21778, 21712..21780,
21713..21781, 21856..21948, 21857..21949, 21863..21949,
22023..22238, 22024..22239, 22338..22418, 22338..22421,
22339..22419, 22340..22426, 23289..23429, 23290..23427,
23291..23446, 23509..23709, 23519..23707, 23519..23710

Seq. No.	25242	Seq. ID	OJ990624_17.9B19.C6
Gene No.	52358	Strand	
Start	21204	End	23710
Name	OJ990624_17.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	22123	End	23562
GI	none	Score	179

Exons 22123..22239, 22128..22235, 22129..22239, 22130..22240,
22337..22426, 22338..22418, 22339..22419, 23290..23427,
23290..23421, 23291..23446, 23512..23559, 23518..23562,
23519..23560

Seq. No.	25243	Seq. ID	OJ990624_17.9B19.C8
Gene No.	52359	Strand	+
Start	1	End	473
Name	OJ990624_17.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	473
GI	3859534	Score	206

Exons 1..42, 158..292, 393..473
GI Descrip. (AF095452) asparagine synthetase [Arabidopsis thaliana]

Seq. No.	25243	Seq. ID	OJ990624_17.9B19.C8
Gene No.	52359	Strand	+
Start	1	End	473
Name	OJ990624_17.9B19.C8.o1.gs	Method	GENSCAN
Start	266	End	473
GI	none	Score	.84

Exons 266..292, 393..473

Seq. No.	25244	Seq. ID	OJ990624_17.9B19.C9
Gene No.	52360	Strand	-
Start	1	End	593
Name	OJ990624_17.9B19.C9.o1.np	Method	AAT/NAP
Start	1	End	593
GI	1351989	Score	259
Exons	1..191, 277..363, 451..593		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|984262|emb|CAA58052| (X82849) asparragine synthetase [Zea mays]		

Seq. No.	25244	Seq. ID	OJ990624_17.9B19.C9
Gene No.	52360	Strand	-
Start	1	End	593
Name	OJ990624_17.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	84	End	556
GI	none	Score	72
Exons	84..191, 88..192, 274..369, 451..522, 455..556		

Seq. No.	25244	Seq. ID	OJ990624_17.9B19.C9
Gene No.	52360	Strand	-
Start	1	End	593
Name	OJ990624_17.9B19.C9.o1.gs	Method	GENSCAN
Start	84	End	531
GI	none	Score	.97
Exons	84..191, 451..531		

Seq. No.	25244	Seq. ID	OJ990624_17.9B19.C9
Gene No.	52360	Strand	-
Start	1	End	593
Name	OJ990624_17.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	84	End	529
GI	none	Score	78
Exons	84..191, 85..192, 85..216, 274..369, 451..516, 452..529		

Seq. No.	25244	Seq. ID	OJ990624_17.9B19.C9
Gene No.	52360	Strand	-
Start	1	End	593
Name	OJ990624_17.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	84	End	553
GI	none	Score	77
Exons	84..191, 88..192, 274..369, 451..525, 451..522, 455..553		

Seq. No.	25245	Seq. ID	OJ990624_17.9B19.C10
Gene No.	52361	Strand	+
Start	246	End	4137
Name	OJ990624_17.9B19.C10.o1.gs	Method	GENSCAN
Start	246	End	4129
GI	none	Score	.64
Exons	246..1786, 1829..2115, 2304..2319, 2666..2756, 2848..3705, 3791..3999, 4105..4129		

Seq. No.	25245	Seq. ID	OJ990624_17.9B19.C10
Gene No.	52361	Strand	+
Start	246	End	4137
Name	OJ990624_17.9B19.C10.o1.np	Method	AAT/NAP

Start	1008	End	4137
GI	6815062	Score	2317
Exons	1008..2521, 2693..2756, 2848..3705, 3791..4031, 4090..4137		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	25245	Seq. ID	OJ990624_17.9B19.C10
Gene No.	52361	Strand	+
Start	246	End	4137
Name	OJ990624_17.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	1050	End	1616
GI	none	Score	139
Exons	1050..1199, 1226..1594, 1227..1616		

Seq. No.	25245	Seq. ID	OJ990624_17.9B19.C10
Gene No.	52361	Strand	+
Start	246	End	4137
Name	OJ990624_17.9B19.C10.o4.tm	Method	TBLASTX:Maize
Start	1743	End	2021
GI	none	Score	182
Exons	1743..2021		

Seq. No.	25245	Seq. ID	OJ990624_17.9B19.C10
Gene No.	52361	Strand	+
Start	246	End	4137
Name	OJ990624_17.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	3048	End	3552
GI	none	Score	99
Exons	3048..3173, 3049..3183, 3214..3552, 3214..3468, 3258..3548		

Seq. No.	25245	Seq. ID	OJ990624_17.9B19.C10
Gene No.	52361	Strand	+
Start	246	End	4137
Name	OJ990624_17.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	3797	End	4000
GI	none	Score	225
Exons	3797..4000, 3841..3999, 3884..4000		

Seq. No.	25246	Seq. ID	OJ990624_17.9B19.C11
Gene No.	52362	Strand	+
Start	17	End	523
Name	OJ990624_17.9B19.C11.o1.gs	Method	GENSCAN
Start	17	End	523
GI	none	Score	.79
Exons	17..40, 150..523		

Seq. No.	25247	Seq. ID	OJ990624_17.9B19.C12
Gene No.	52363	Strand	-
Start	1850	End	2236
Name	OJ990624_17.9B19.C12.o1.gs	Method	GENSCAN
Start	1850	End	2236
GI	none	Score	.45
Exons	1850..1981, 2180..2236		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52364	Strand	+

Start	1	End	554
Name	OJ990624_17.9B19.C13.o1.gp	Method	AAT/GAP
Start	1	End	227
GI	LIB3434-008-P1-K1-B7	Score	216
Exons	1..46, 147..227		
GI Descrip.	'3859534 1.0e-41 (AF095452) asparagine synthetase [Arabidopsis thaliana]'		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52364	Strand	+
Start	1	End	554
Name	OJ990624_17.9B19.C13.o1.np	Method	AAT/NAP
Start	1	End	554
GI	1076790	Score	259
Exons	1..46, 147..227, 315..401, 487..554		
GI Descrip.	asparragine synthetase - maize (fragment)		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52364	Strand	+
Start	1	End	554
Name	OJ990624_17.9B19.C13.o1.gs	Method	GENSCAN
Start	20	End	540
GI	none	Score	.86
Exons	20..46, 147..227, 487..540		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52365	Strand	+
Start	481	End	554
Name	OJ990624_17.9B19.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	552
GI	none	Score	61
Exons	2..49, 149..226, 162..227, 309..404, 487..552		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52365	Strand	+
Start	481	End	554
Name	OJ990624_17.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	5	End	552
GI	none	Score	67
Exons	5..49, 7..54, 68..223, 156..227, 309..404, 487..552		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52365	Strand	+
Start	481	End	554
Name	OJ990624_17.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	5	End	552
GI	none	Score	64
Exons	5..49, 125..223, 153..227, 156..227, 309..404, 487..552		

Seq. No.	25248	Seq. ID	OJ990624_17.9B19.C13
Gene No.	52365	Strand	+
Start	481	End	554
Name	OJ990624_17.9B19.C13.o2.gp	Method	AAT/GAP
Start	481	End	554
GI	21403_1.R1084	Score	110
Exons	481..554		
GI Descrip.	'1351989/sp|P49094|ASNS_MAIZE 3.0e-30 ASPARAGINE SYNTHETASE		

[GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) >gi_984262_emb_CAA58052_ (X82849) asparragine synthetase [Zea mays]'

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52366	Strand	+
Start	623	End	934
Name	OJ990714_13.9B05.C3.o1.gs	Method	GENSCAN
Start	623	End	934
GI	none	Score	.93
Exons	623..934		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o1.np	Method	AAT/NAP
Start	2584	End	5396
GI	6069646	Score	921
Exons	2584..3567, 3849..4702, 5166..5396		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	2858	End	3172
GI	none	Score	105
Exons	2858..3172, 2898..3128		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	3289	End	3603
GI	none	Score	101
Exons	3289..3384, 3391..3603, 3392..3571		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	3491	End	4006
GI	none	Score	89
Exons	3491..3589, 3499..3591, 3627..3653, 3657..3818, 3938..4006		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	3547	End	3988
GI	none	Score	126
Exons	3547..3585, 3591..3671, 3684..3923, 3697..3945, 3932..3988		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	3621	End	4237
GI	none	Score	58
Exons	3621..3671, 3627..3923, 3628..3684, 3802..3906, 3932..4237		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o2.gs	Method	GENSCAN
Start	3884	End	5224
GI	none	Score	.83
Exons	3884..4609, 4802..5224		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	4241	End	4667
GI	none	Score	96
Exons	4241..4657, 4242..4439, 4286..4489, 4515..4667		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	4412	End	4618
GI	none	Score	177
Exons	4412..4618		

Seq. No.	25249	Seq. ID	OJ990714_13.9B05.C3
Gene No.	52367	Strand	-
Start	3884	End	5396
Name	OJ990714_13.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	4823	End	5269
GI	none	Score	124
Exons	4823..5269, 4863..5099, 4934..5254		

Seq. No.	25250	Seq. ID	OJ990714_13.9B05.C4
Gene No.	52368	Strand	-
Start	7395	End	7696
Name	OJ990714_13.9B05.C4.o2.gs	Method	GENSCAN
Start	7395	End	7696
GI	none	Score	.94
Exons	7395..7528, 7639..7696		

Seq. No.	25251	Seq. ID	OJ990714_13.9B05.C5
Gene No.	52369	Strand	-
Start	792	End	2006
Name	OJ990714_13.9B05.C5.o3.tw	Method	TBLASTX:Wheat
Start	205	End	618
GI	none	Score	238
Exons	205..618		

Seq. No.	25251	Seq. ID	OJ990714_13.9B05.C5

Gene No.	52369	Strand	-
Start	792	End	2006
Name	OJ990714_13.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	559	End	1031
GI	none	Score	72
Exons	559..618, 652..813, 834..1031, 868..960		

Seq. No.	25251	Seq. ID	OJ990714_13.9B05.C5
Gene No.	52369	Strand	-
Start	792	End	2006
Name	OJ990714_13.9B05.C5.o1.gs	Method	GENSCAN
Start	792	End	1916
GI	none	Score	.4
Exons	792..952, 1133..1916		

Seq. No.	25251	Seq. ID	OJ990714_13.9B05.C5
Gene No.	52369	Strand	-
Start	792	End	2006
Name	OJ990714_13.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	1032	End	1475
GI	none	Score	81
Exons	1032..1475, 1053..1331, 1123..1416		

Seq. No.	25251	Seq. ID	OJ990714_13.9B05.C5
Gene No.	52369	Strand	-
Start	792	End	2006
Name	OJ990714_13.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	1209	End	2006
GI	none	Score	120
Exons	1209..1235, 1230..1541, 1231..1551, 1536..1994, 1537..1710, 1753..2001, 1779..2006, 1898..2002		

Seq. No.	25251	Seq. ID	OJ990714_13.9B05.C5
Gene No.	52369	Strand	-
Start	792	End	2006
Name	OJ990714_13.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	1557	End	1899
GI	none	Score	90
Exons	1557..1709, 1558..1698, 1710..1895, 1753..1899		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52370	Strand	+
Start	94	End	2249
Name	OJ990714_13.9B05.C6.o1.gs	Method	GENSCAN
Start	94	End	2249
GI	none	Score	.56
Exons	94..115, 2077..2249		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52371	Strand	+
Start	5717	End	7164
Name	OJ990714_13.9B05.C6.o2.gs	Method	GENSCAN
Start	5717	End	7164
GI	none	Score	.66
Exons	5717..5815, 6799..7164		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6

Gene No.	52372	Strand	+
Start	8866	End	9306
Name	OJ990714_13.9B05.C6.o1.gp	Method	AAT/GAP
Start	8866	End	9306
GI	5004350	Score	855
Exons	8866..9306		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52373	Strand	+
Start	21266	End	22517
Name	OJ990714_13.9B05.C6.o5.gs	Method	GENSCAN
Start	21266	End	22517
GI	none	Score	.79
Exons	21266..21373, 22386..22517		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52374	Strand	+
Start	25815	End	28991
Name	OJ990714_13.9B05.C6.o7.gs	Method	GENSCAN
Start	25815	End	28991
GI	none	Score	.67
Exons	25815..25833, 25968..27004, 27091..27394, 27428..27766, 27841..28028, 28104..28293, 28366..28470, 28543..28991		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52374	Strand	+
Start	25815	End	28991
Name	OJ990714_13.9B05.C6.o2.np	Method	AAT/NAP
Start	26120	End	28988
GI	6691716	Score	2356
Exons	26120..27004, 27202..27380, 27462..27768, 27855..28028, 28104..28207, 28358..28470, 28543..28988		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52375	Strand	+
Start	35465	End	35619
Name	OJ990714_13.9B05.C6.o3.gp	Method	AAT/GAP
Start	35465	End	35619
GI	uC-osflcyp177g01a1	Score	254
Exons	35465..35619		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52376	Strand	-
Start	9234	End	13081
Name	OJ990714_13.9B05.C6.o3.gs	Method	GENSCAN
Start	9234	End	13027
GI	none	Score	.8
Exons	9234..9632, 10155..10295, 10391..10465, 11194..11382, 11485..11541, 11665..11846, 12874..13027		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52376	Strand	-

Start	9234	End	13081
Name	OJ990714_13.9B05.C6.o1.np	Method	AAT/NAP
Start	9237	End	13081
GI	4982519	Score	479
Exons	9237..9336, 9409..9538, 9566..9632, 10155..10295, 10391..10465, 12874..13081		
GI Descrip.	(AC000107) F17F8.25 [Arabidopsis thaliana]		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52376	Strand	-
Start	9234	End	13081
Name	OJ990714_13.9B05.C6.o2.gp	Method	AAT/GAP
Start	11607	End	12025
GI	94783_1.R1084	Score	815
Exons	11607..12025		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52377	Strand	-
Start	23982	End	24542
Name	OJ990714_13.9B05.C6.o6.gs	Method	GENSCAN
Start	23982	End	24542
GI	none	Score	.54
Exons	23982..24100, 24243..24398, 24455..24542		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52378	Strand	-
Start	29324	End	40380
Name	OJ990714_13.9B05.C6.o8.gs	Method	GENSCAN
Start	29324	End	40380
GI	none	Score	.58
Exons	29324..32405, 32502..35479, 37588..37661, 38052..38153, 38414..38450, 38567..38611, 39624..39703, 39801..39851, 39971..40036, 40302..40380		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52378	Strand	-
Start	29324	End	40380
Name	OJ990714_13.9B05.C6.o3.np	Method	AAT/NAP
Start	29360	End	35422
GI	5922631	Score	6681
Exons	29360..31887, 32494..33417, 33544..33695, 33738..34302, 34348..34557, 34792..35039, 35298..35422		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52378	Strand	-
Start	29324	End	40380
Name	OJ990714_13.9B05.C6.o4.gp	Method	AAT/GAP
Start	37888	End	38002

GI	uC-osflcyp142d10b1	Score	204
Exons	37888..38002		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52378	Strand	-
Start	29324	End	40380
Name	OJ990714_13.9B05.C6.o5.gp	Method	AAT/GAP
Start	38061	End	40265
GI	17481_1.R1084	Score	937
Exons	38061..38153, 38356..38450, 38567..38611, 39624..39703, 39801..39851, 39971..40036, 40123..40265		
GI Descrip.	'3033396 8.0e-21 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52378	Strand	-
Start	29324	End	40380
Name	OJ990714_13.9B05.C6.o4.np	Method	AAT/NAP
Start	38355	End	40038
GI	3033396	Score	170
Exons	38355..38450, 38567..38611, 39624..39703, 39801..39851, 39971..40038		
GI Descrip.	(AC004238) putative thioredoxin [Arabidopsis thaliana]		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	12871	End	13035
GI	none	Score	118
Exons	12871..13035, 12893..13033		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o9.tw	Method	TBLASTX:Wheat
Start	26240	End	26530
GI	none	Score	221
Exons	26240..26530		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o5.tw	Method	TBLASTX:Wheat
Start	29336	End	29950
GI	none	Score	80
Exons	29336..29473, 29459..29617, 29672..29950, 29688..29789, 29841..29930		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	29375	End	29605
GI	none	Score	100

Exons	29375..29476, 29376..29477, 29456..29605, 29457..29516		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o7.tm	Method	TBLASTX:Maize
Start	29720	End	29993
GI	none	Score	56
Exons	29720..29806, 29816..29899, 29829..29903, 29886..29993, 29894..29992		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	30065	End	30452
GI	none	Score	109
Exons	30065..30250, 30065..30451, 30141..30452		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	30095	End	30457
GI	none	Score	67
Exons	30095..30142, 30096..30143, 30114..30437, 30134..30457, 30147..30437		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o10.tw	Method	TBLASTX:Wheat
Start	30455	End	30754
GI	none	Score	133
Exons	30455..30586, 30620..30754		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o6.tm	Method	TBLASTX:Maize
Start	30686	End	30940
GI	none	Score	193
Exons	30686..30940		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o4.tw	Method	TBLASTX:Wheat
Start	30770	End	31192
GI	none	Score	247
Exons	30770..31192, 30780..31184		
Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	30813	End	31201

GI	none	Score	128
Exons	30813..31061, 30815..31057, 31097..31201, 31107..31193		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o8.tw	Method	TBLASTX:Wheat
Start	31196	End	31478
GI	none	Score	68
Exons	31196..31477, 31208..31342, 31401..31478		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	31316	End	31760
GI	none	Score	88
Exons	31316..31342, 31340..31483, 31353..31484, 31505..31759, 31506..31760		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	31427	End	31828
GI	none	Score	43
Exons	31427..31828, 31461..31631, 31668..31811		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	31482	End	31906
GI	none	Score	285
Exons	31482..31862, 31487..31906		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	31991	End	32347
GI	none	Score	214
Exons	31991..32347, 32001..32306		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	32021	End	32477
GI	none	Score	268
Exons	32021..32476, 32022..32477		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o4.ts	Method	TBLASTX:Soybean
Start	32072	End	32437

GI	none	Score	138
Exons	32072..32206, 32213..32437		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o6.tw	Method	TBLASTX:Wheat
Start	32697	End	33154
GI	none	Score	154
Exons	32697..32933, 32699..32929, 32978..33154		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o7.tw	Method	TBLASTX:Wheat
Start	33731	End	34133
GI	none	Score	116
Exons	33731..34132, 33864..34133		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o5.tm	Method	TBLASTX:Maize
Start	38340	End	40032
GI	none	Score	79
Exons	38340..38444, 38340..38450, 38362..38451, 38568..38627, 39586..39702, 39620..39706, 39624..39701, 39796..39849, 39797..39847, 39972..40031, 39975..40028, 39976..40032		

Seq. No.	25252	Seq. ID	OJ990714_13.9B05.C6
Gene No.	52379	Strand	-
Start	40883	End	41580
Name	OJ990714_13.9B05.C6.o9.gs	Method	GENSCAN
Start	40883	End	41580
GI	none	Score	.89
Exons	40883..40938, 41508..41580		

Seq. No.	25253	Seq. ID	OJ990714_13.9B05.C7
Gene No.	52380	Strand	-
Start	1	End	76
Name	OJ990714_13.9B05.C7.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	2312838	Score	90
Exons	1..76		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	25254	Seq. ID	OJ990714_13.9B05.C8
Gene No.	52381	Strand	+
Start	1606	End	6752
Name	OJ990714_13.9B05.C8.o1.gs	Method	GENSCAN
Start	1606	End	6749
GI	none	Score	.62
Exons	1606..1797, 3638..3925, 5198..5812, 6653..6749		

Seq. No.	25254	Seq. ID	OJ990714_13.9B05.C8
Gene No.	52381	Strand	+

Start	1606	End	6752
Name	OJ990714_13.9B05.C8.o1.np	Method	AAT/NAP
Start	3611	End	6752
GI	4760370	Score	1109
Exons	3611..3925, 5198..5812, 6320..6752		
GI Descrip.	(AF082565) ATP dependent copper transporter [Arabidopsis thaliana] gi|4760380|gb|AAD29115.1| (AF091112) ATP dependent copper transporter [Arabidopsis thaliana] gi|6850337|gb|AAC79141.2| (AC002342) ATP dependent copper transporter (RAN1) [Arabidopsis thaliana]		

Seq. No.	25254	Seq. ID	OJ990714_13.9B05.C8
Gene No.	52381	Strand	+
Start	1606	End	6752
Name	OJ990714_13.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	5240	End	5692
GI	none	Score	382
Exons	5240..5515, 5266..5514, 5558..5692		

Seq. No.	25254	Seq. ID	OJ990714_13.9B05.C8
Gene No.	52381	Strand	+
Start	1606	End	6752
Name	OJ990714_13.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	6301	End	6478
GI	none	Score	264
Exons	6301..6456, 6305..6478, 6311..6478		

Seq. No.	25254	Seq. ID	OJ990714_13.9B05.C8
Gene No.	52381	Strand	+
Start	1606	End	6752
Name	OJ990714_13.9B05.C8.o1.gp	Method	AAT/GAP
Start	6307	End	6749
GI	uC-osroM202006b06b1	Score	855
Exons	6307..6749		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	25254	Seq. ID	OJ990714_13.9B05.C8
Gene No.	52381	Strand	+
Start	1606	End	6752
Name	OJ990714_13.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	6543	End	6745
GI	none	Score	143
Exons	6543..6665, 6543..6740, 6544..6744, 6545..6745		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	2412
GI	4760370	Score	1447
Exons	1..29, 553..611, 701..1047, 1247..1442, 1582..1839, 1938..2412		
GI Descrip.	(AF082565) ATP dependent copper transporter [Arabidopsis thaliana] gi|4760380|gb|AAD29115.1| (AF091112) ATP dependent copper transporter [Arabidopsis thaliana] gi|6850337|gb|AAC79141.2| (AC002342) ATP dependent copper transporter (RAN1) [Arabidopsis thaliana]		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	540	End	1047
GI	none	Score	88
Exons	540..611, 541..612, 541..612, 561..638, 690..722, 693..764, 700..768, 701..769, 718..1047, 719..1042, 763..1047		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	540	End	1328
GI	none	Score	69
Exons	540..617, 541..612, 693..740, 696..758, 718..1047, 764..1042, 895..1044, 1250..1303, 1251..1328		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o1.gs	Method	GENSCAN
Start	553	End	2749
GI	none	Score	79
Exons	553..611, 948..1042, 1243..1442, 1582..1839, 1938..2065, 2093..2366, 2555..2749		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o2.tc	Method	TBLASTX:Cress
Start	766	End	1848
GI	none	Score	198
Exons	766..978, 806..979, 1645..1848		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	1240	End	1457
GI	none	Score	138
Exons	1240..1443, 1243..1404, 1250..1444, 1251..1457		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	1344	End	5457
GI	none	Score	99
Exons	1344..1451, 1376..1444, 1558..1848, 1581..1841, 1935..2027, 1937..2026, 2016..2048, 2018..2047, 2089..2409, 2091..2408, 5272..5457, 5280..5456		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486

Name	OJ990714_13.9B05.C9.o2.np	Method	AAT/NAP
Start	1455	End	2412
GI	4760370	Score	839
Exons	1455..1495, 1557..1839, 1938..2412		
GI Descrip.	(AF082565) ATP dependent copper transporter [Arabidopsis thaliana] gi|4760380|gb|AAD29115.1| (AF091112) ATP dependent copper transporter [Arabidopsis thaliana] gi|6850337|gb|AAC79141.2| (AC002342) ATP dependent copper transporter (RAN1) [Arabidopsis thaliana]		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	1636	End	2027
GI	none	Score	319
Exons	1636..1848, 1636..1851, 1925..2011, 1935..2027, 1935..2012, 1937..2026		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o1.gp	Method	AAT/GAP
Start	1680	End	2188
GI	LIB3433-055-P1-K1-C9	Score	689
Exons	1680..1839, 1938..2188		
GI Descrip.	'2660670 6.0e-60 (AC002342) putative Cu2+-transporting ATPase [Arabidopsis thaliana]'		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	1932	End	5463
GI	none	Score	143
Exons	1932..2027, 1934..2026, 2016..2048, 2089..2196, 2182..2427, 2184..2435, 5271..5462, 5272..5463		

Seq. No.	25255	Seq. ID	OJ990714_13.9B05.C9
Gene No.	52382	Strand	+
Start	1	End	5486
Name	OJ990714_13.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	2089	End	5486
GI	none	Score	479
Exons	2089..2415, 2091..2414, 2265..2417, 2351..2422, 5272..5463, 5272..5463, 5280..5486, 5409..5465		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52383	Strand	+
Start	1854	End	7767
Name	OJ990714_13.9B05.C10.o1.gs	Method	GENSCAN
Start	1854	End	7767
GI	none	Score	.41
Exons	1854..1904, 2018..2409, 2504..2658, 2946..3149, 3445..3518, 7612..7767		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10

Gene No.	52384	Strand	+
Start	9458	End	13628
Name	OJ990714_13.9B05.C10.o2.gp	Method	AAT/GAP
Start	9400	End	12728
GI	48621_1.R1084	Score	1702
Exons	9400..9548, 9665..9747, 10481..10584, 10667..10751, 10853..10969, 11457..11566, 11652..11757, 11848..11934, 12604..12728		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52384	Strand	+
Start	9458	End	13628
Name	OJ990714_13.9B05.C10.o3.gs	Method	GENSCAN
Start	9458	End	13506
GI	none	Score	.43
Exons	9458..9548, 9665..9747, 10481..10584, 10667..10751, 11457..11566, 11652..11757, 11848..11934, 12604..12843, 12947..13072, 13180..13506		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52384	Strand	+
Start	9458	End	13628
Name	OJ990714_13.9B05.C10.o1.np	Method	AAT/NAP
Start	10505	End	13470
GI	2827661	Score	881
Exons	10505..10584, 10667..10751, 10853..10921, 11457..11600, 11848..11934, 12604..12703, 12755..12843, 12947..13075, 13243..13470		
GI Descrip.	(AL021637) hyuC-like protein [Arabidopsis thaliana]		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52384	Strand	+
Start	9458	End	13628
Name	OJ990714_13.9B05.C10.o3.gp	Method	AAT/GAP
Start	13022	End	13628
GI	50070_1.R1084	Score	897
Exons	13022..13072, 13180..13628		
GI Descrip.	'2827661/emb|CAA16615.1| 6.0e-13 (AL021637) hyuC-like protein [Arabidopsis thaliana]'		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52385	Strand	-
Start	8220	End	8728
Name	OJ990714_13.9B05.C10.o2.gs	Method	GENSCAN
Start	8220	End	8728
GI	none	Score	.63
Exons	8220..8503, 8539..8728		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	9694	End	10885
GI	none	Score	85
Exons	9694..9750, 10472..10576, 10479..10586, 10480..10611,		

10480..10587, 10664..10756, 10668..10751, 10668..10766,
10669..10752, 10823..10885

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o2.tc	Method	TBLASTX:Cress
Start	10472	End	11934
GI	none	Score	109

Exons 10472..10576, 10501..10587, 10661..10744, 10668..10751,
10820..10972, 10831..10929, 10853..10945, 11454..11564,
11456..11566, 11649..11759, 11650..11763, 11845..11895,
11848..11871, 11898..11921, 11899..11934

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	10472	End	12669
GI	none	Score	117

Exons 10472..10576, 10486..10584, 10668..10751, 10679..10756,
10810..10920, 10820..10972, 10851..10922, 10853..10933,
11452..11565, 11454..11567, 11454..11567, 11456..11569,
11649..11759, 11662..11763, 11847..11900, 11848..11892,
11893..11937, 11898..11936, 12603..12668, 12604..12669

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	10898	End	13473
GI	none	Score	110

Exons 10898..10972, 10904..10975, 11436..11564, 11436..11564,
11455..11574, 11456..11566, 11649..11759, 11649..11759,
11650..11763, 11651..11764, 11845..11928, 11847..11936,
11847..11945, 11848..11937, 12602..12769, 12602..12724,
12603..12845, 12604..12846, 12944..13072, 12946..13068,
13177..13284, 13248..13466, 13279..13467, 13390..13473

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	12709	End	13461
GI	none	Score	66

Exons 12709..12789, 12775..12846, 12783..12851, 12944..13072,
12946..13068, 13287..13442, 13288..13461

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	13293	End	13461
GI	none	Score	209

Exons 13293..13442, 13294..13461

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10

Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o5.gs	Method	GENSCAN
Start	20095	End	20946
GI	none	Score	.76
Exons	20095..20217, 20806..20946		

Seq. No.	25256	Seq. ID	OJ990714_13.9B05.C10
Gene No.	52386	Strand	-
Start	20095	End	20970
Name	OJ990714_13.9B05.C10.o2.np	Method	AAT/NAP
Start	20433	End	20970
GI	6721559	Score	368
Exons	20433..20567, 20596..20970		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25257	Seq. ID	OJ990714_13.9B05.C11
Gene No.	52387	Strand	+
Start	732	End	2160
Name	OJ990714_13.9B05.C11.o1.gs	Method	GENSCAN
Start	732	End	2160
GI	none	Score	.64
Exons	732..796, 1444..1567, 2062..2160		

Seq. No.	25257	Seq. ID	OJ990714_13.9B05.C11
Gene No.	52388	Strand	-
Start	742	End	1491
Name	OJ990714_13.9B05.C11.o1.np	Method	AAT/NAP
Start	742	End	1491
GI	4680183	Score	176
Exons	742..833, 1423..1491		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25257	Seq. ID	OJ990714_13.9B05.C11
Gene No.	52389	Strand	-
Start	4487	End	5960
Name	OJ990714_13.9B05.C11.o2.gs	Method	GENSCAN
Start	4487	End	5960
GI	none	Score	.93
Exons	4487..4507, 5652..5960		

Seq. No.	25258	Seq. ID	OJ990714_13.9B05.C12
Gene No.	52390	Strand	+
Start	85	End	2803
Name	OJ990714_13.9B05.C12.o1.np	Method	AAT/NAP
Start	85	End	1452
GI	626027	Score	272
Exons	85..612, 1406..1452		
GI Descrip.	fim protein - garden snapdragon gi|547307|bbs|149407 (S71192) fim=fimbriata [Antirrhinum majus, Peptide, 429 aa] [Antirrhinum majus]		

Seq. No.	25258	Seq. ID	OJ990714_13.9B05.C12
Gene No.	52390	Strand	+
Start	85	End	2803

Name	OJ990714_13.9B05.C12.o1.gs	Method	GENSCAN
Start	165	End	2803
GI	none	Score	.55
Exons	165..663, 2592..2803		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52391	Strand	+
Start	1707	End	2328
Name	OJ990714_13.9B05.C13.o1.gs	Method	GENSCAN
Start	1707	End	2328
GI	none	Score	.97
Exons	1707..2328		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52391	Strand	+
Start	1707	End	2328
Name	OJ990714_13.9B05.C13.o1.np	Method	AAT/NAP
Start	1746	End	2303
GI	4835761	Score	266
Exons	1746..2303		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52392	Strand	+
Start	3811	End	5620
Name	OJ990714_13.9B05.C13.o2.gs	Method	GENSCAN
Start	3811	End	5620
GI	none	Score	.66
Exons	3811..3922, 4196..4333, 4364..4477, 4607..4672, 4693..4883, 4986..5192, 5300..5620		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52392	Strand	+
Start	3811	End	5620
Name	OJ990714_13.9B05.C13.o1.gp	Method	AAT/GAP
Start	4191	End	5202
GI	9573_1.R1084	Score	1123
Exons	4191..4333, 4607..4883, 4986..5202		
GI Descrip.	'2660676 2.0e-67 (AC002342) Dreg-2 like protein [Arabidopsis thaliana]'		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52392	Strand	+
Start	3811	End	5620
Name	OJ990714_13.9B05.C13.o2.np	Method	AAT/NAP
Start	4621	End	5593
GI	2660676	Score	933
Exons	4621..4883, 4986..5192, 5303..5593		
GI Descrip.	(AC002342) Dreg-2 like protein [Arabidopsis thaliana]		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52393	Strand	-
Start	5449	End	5951
Name	OJ990714_13.9B05.C13.o2.gp	Method	AAT/GAP
Start	5449	End	5951
GI	1270_1.R1084	Score	970
Exons	5449..5951		

GI Descrip. '1362147/pir||S56690 2.0e-17 hypothetical protein (clone AFD1) - wild oat (fragment) >gi_726471 (U19996) putative ORF1 [Avena fatua]'

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52394	Strand	-
Start	6373	End	9471
Name	OJ990714_13.9B05.C13.o3.gp	Method	AAT/GAP
Start	6176	End	7750
GI	24747_1.R1084	Score	1486
Exons	6176..6500, 7041..7330, 7547..7750		
GI Descrip.	'4585976/gb|AAD25612.1|AC005287_14 2.0e-69 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52394	Strand	-
Start	6373	End	9471
Name	OJ990714_13.9B05.C13.o3.gs	Method	GENSCAN
Start	6373	End	9299
GI	none	Score	.89
Exons	6373..6500, 7141..7330, 7547..7847, 8000..8070, 8253..8369, 8444..8518, 8645..8703, 9191..9299		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52394	Strand	-
Start	6373	End	9471
Name	OJ990714_13.9B05.C13.o3.np	Method	AAT/NAP
Start	6449	End	9278
GI	4585976	Score	1063
Exons	6449..6500, 7041..7330, 7547..7847, 8000..8070, 8253..8369, 8444..8518, 8645..8703, 9191..9278		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52394	Strand	-
Start	6373	End	9471
Name	OJ990714_13.9B05.C13.o4.gp	Method	AAT/GAP
Start	8235	End	9471
GI	41611_1.R1084	Score	981
Exons	8235..8369, 8444..8518, 8645..8703, 9191..9471		
GI Descrip.	'4585976/gb|AAD25612.1|AC005287_14 3.0e-21 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	4603	End	5452
GI	none	Score	88
Exons	4603..4701, 4626..4694, 4682..4882, 4683..4883, 4684..4914, 4685..4885, 4962..5192, 4985..5188, 5290..5451, 5294..5452		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	4722	End	5042

GI	none	Score	281
Exons	4722..4883, 4729..4827, 4730..4885, 4730..4882, 4952..5041, 4962..5042		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	5133	End	5593
GI	none	Score	101
Exons	5133..5192, 5135..5188, 5291..5590, 5294..5593, 5302..5592		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	6437	End	7645
GI	none	Score	221
Exons	6437..6502, 7039..7269, 7040..7330, 7040..7330, 7056..7334, 7598..7645		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	6446	End	7822
GI	none	Score	185
Exons	6446..6502, 7022..7330, 7040..7330, 7212..7331, 7538..7756, 7568..7750, 7605..7757, 7772..7822		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	6464	End	7846
GI	none	Score	362
Exons	6464..6502, 7039..7329, 7040..7330, 7040..7330, 7041..7331, 7513..7836, 7538..7846, 7540..7653, 7605..7835		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	7544	End	8040
GI	none	Score	122
Exons	7544..7771, 7559..7762, 7650..7766, 7767..7847, 7772..7849, 7996..8040		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o4.gs	Method	GENSCAN
Start	10893	End	20885
GI	none	Score	.43
Exons	10893..11070, 12270..12389, 12919..13061, 13546..13603, 13778..13834, 14636..14660, 15211..15317, 16743..17329, 17723..17795, 17907..17967, 18278..18332, 18527..18603,		

18776..18971, 19078..19103, 19395..19483, 20626..20885

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o4.np	Method	AAT/NAP
Start	12345	End	12482
GI	6006359	Score	72
Exons	12345..12482		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o5.np	Method	AAT/NAP
Start	15167	End	18971
GI	4455293	Score	316
Exons	15167..15195, 17247..17329, 17723..17803, 18353..18477, 18523..18627, 18776..18971		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o2.tc	Method	TBLASTX:Cress
Start	17906	End	18915
GI	none	Score	101
Exons	17906..17971, 18527..18604, 18528..18602, 18771..18890, 18775..18915, 18777..18890		

Seq. No.	25259	Seq. ID	OJ990714_13.9B05.C13
Gene No.	52395	Strand	-
Start	10893	End	20885
Name	OJ990714_13.9B05.C13.o4.ts	Method	TBLASTX:Soybean
Start	17906	End	18900
GI	none	Score	66
Exons	17906..17971, 17907..17969, 18276..18311, 18312..18335, 18527..18604, 18528..18602, 18775..18900, 18777..18899		

Seq. No.	25260	Seq. ID	OJ990714_13.9B05.C14
Gene No.	52396	Strand	+
Start	1036	End	1441
Name	OJ990714_13.9B05.C14.o1.gs	Method	GENSCAN
Start	1036	End	1441
GI	none	Score	.93
Exons	1036..1099, 1380..1441		

Seq. No.	25260	Seq. ID	OJ990714_13.9B05.C14
Gene No.	52397	Strand	+
Start	6447	End	6994
Name	OJ990714_13.9B05.C14.o1.np	Method	AAT/NAP
Start	6447	End	6994
GI	6815067	Score	44
Exons	6447..6555, 6966..6994		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza		

sativa]

Seq. No.	25260	Seq. ID	OJ990714_13.9B05.C14
Gene No.	52398	Strand	-
Start	3587	End	6909
Name	OJ990714_13.9B05.C14.o2.gs	Method	GENSCAN
Start	3587	End	6909
GI	none	Score	.75
Exons	3587..3738, 4592..4944, 6010..6174, 6235..6354, 6395..6559, 6779..6909		

Seq. No.	25261	Seq. ID	OJ990714_13.9B05.C15
Gene No.	52399	Strand	+
Start	175	End	2502
Name	OJ990714_13.9B05.C15.o1.gs	Method	GENSCAN
Start	175	End	2502
GI	none	Score	.98
Exons	175..1074, 1182..1325, 2317..2502		

Seq. No.	25261	Seq. ID	OJ990714_13.9B05.C15
Gene No.	52400	Strand	-
Start	2315	End	2565
Name	OJ990714_13.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	2565
GI	none	Score	188
Exons	1080..1325, 1181..1330, 2314..2565, 2317..2505		

Seq. No.	25261	Seq. ID	OJ990714_13.9B05.C15
Gene No.	52400	Strand	-
Start	2315	End	2565
Name	OJ990714_13.9B05.C15.o1.gp	Method	AAT/GAP
Start	2315	End	2498
GI	LIB3433-007-Q6-K1-C2	Score	321
Exons	2315..2498		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25261	Seq. ID	OJ990714_13.9B05.C15
Gene No.	52400	Strand	-
Start	2315	End	2565
Name	OJ990714_13.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	2323	End	2502
GI	none	Score	183
Exons	2323..2502, 2328..2501, 2343..2474		

Seq. No.	25262	Seq. ID	OJ990714_13.9B05.C16
Gene No.	52401	Strand	+
Start	1	End	380
Name	OJ990714_13.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	380
GI	3192688	Score	625
Exons	1..380		
GI Descrip.	(AF064539) gp5 [Bacteriophage N15]		

Seq. No.	25262	Seq. ID	OJ990714_13.9B05.C16
Gene No.	52401	Strand	+
Start	1	End	380

Name	OJ990714_13.9B05.C16.o1.gs	Method	GENSCAN
Start	12	End	251
GI	none	Score	.55
Exons	12..251		

Seq. No.	25263	Seq. ID	OJ990604_12.9B05.C1
Gene No.	52402	Strand	-
Start	145	End	583
Name	OJ990604_12.9B05.C1.o1.np	Method	AAT/NAP
Start	145	End	583
GI	226689	Score	244
Exons	145..583		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	25263	Seq. ID	OJ990604_12.9B05.C1
Gene No.	52402	Strand	-
Start	145	End	583
Name	OJ990604_12.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	145	End	363
GI	none	Score	52
Exons	145..180, 146..244, 146..229, 151..261, 231..302, 258..299, 306..362, 309..362, 316..363		

Seq. No.	25264	Seq. ID	OJ990604_12.9B05.C2
Gene No.	52403	Strand	-
Start	107	End	1324
Name	OJ990604_12.9B05.C2.o1.np	Method	AAT/NAP
Start	107	End	1324
GI	6721562	Score	1690
Exons	107..1324		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	25264	Seq. ID	OJ990604_12.9B05.C2
Gene No.	52403	Strand	-
Start	107	End	1324
Name	OJ990604_12.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	308	End	860
GI	none	Score	98
Exons	308..565, 342..581, 548..646, 549..641, 653..700, 825..860		

Seq. No.	25264	Seq. ID	OJ990604_12.9B05.C2
Gene No.	52403	Strand	-
Start	107	End	1324
Name	OJ990604_12.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	410	End	658
GI	none	Score	87
Exons	410..658, 411..656		

Seq. No.	25265	Seq. ID	OJ990604_12.9B05.C4
Gene No.	52404	Strand	+
Start	1	End	554
Name	OJ990604_12.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	554

GI	3953479	Score	665
Exons	1..554		
GI Descrip.	(AC002328) F22O2.24 [Arabidopsis thaliana]		

Seq. No.	25265	Seq. ID	OJ990604_12.9B05.C4
Gene No.	52404	Strand	+
Start	1	End	554
Name	OJ990604_12.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	503
GI	none	Score	455
Exons	1..357, 3..284, 276..320, 277..498, 369..503, 369..491, 385..492		

Seq. No.	25265	Seq. ID	OJ990604_12.9B05.C4
Gene No.	52404	Strand	+
Start	1	End	554
Name	OJ990604_12.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	258
GI	none	Score	121
Exons	1..126, 136..258		

Seq. No.	25265	Seq. ID	OJ990604_12.9B05.C4
Gene No.	52404	Strand	+
Start	1	End	554
Name	OJ990604_12.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	483
GI	none	Score	617
Exons	1..468, 3..188, 4..306, 231..326, 369..467, 376..483		

Seq. No.	25265	Seq. ID	OJ990604_12.9B05.C4
Gene No.	52404	Strand	+
Start	1	End	554
Name	OJ990604_12.9B05.C4.o1.gs	Method	GENSCAN
Start	28	End	531
GI	none	Score	.97
Exons	28..531		

Seq. No.	25265	Seq. ID	OJ990604_12.9B05.C4
Gene No.	52404	Strand	+
Start	1	End	554
Name	OJ990604_12.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	136	End	468
GI	none	Score	55
Exons	136..279, 138..209, 138..317, 139..342, 376..468		

Seq. No.	25266	Seq. ID	OJ990604_12.9B05.C5
Gene No.	52405	Strand	+
Start	1	End	559
Name	OJ990604_12.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	429
GI	3953479	Score	474
Exons	1..429		
GI Descrip.	(AC002328) F22O2.24 [Arabidopsis thaliana]		

Seq. No.	25266	Seq. ID	OJ990604_12.9B05.C5
Gene No.	52405	Strand	+
Start	1	End	559
Name	OJ990604_12.9B05.C5.o1.ts	Method	TBLASTX:Soybean

Start	1	End	369
GI	none	Score	332
Exons	1..369, 1..180, 3..200, 243..341, 250..354		

Seq. No.	25266	Seq. ID	OJ990604_12.9B05.C5
Gene No.	52405	Strand	+
Start	1	End	559
Name	OJ990604_12.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	10	End	351
GI	none	Score	156
Exons	10..153, 12..191, 13..216, 250..351		

Seq. No.	25266	Seq. ID	OJ990604_12.9B05.C5
Gene No.	52405	Strand	+
Start	1	End	559
Name	OJ990604_12.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	10	End	293
GI	none	Score	336
Exons	10..291, 12..293, 13..291		

Seq. No.	25266	Seq. ID	OJ990604_12.9B05.C5
Gene No.	52405	Strand	+
Start	1	End	559
Name	OJ990604_12.9B05.C5.o1.gs	Method	GENSCAN
Start	119	End	432
GI	none	Score	.49
Exons	119..432		

Seq. No.	25266	Seq. ID	OJ990604_12.9B05.C5
Gene No.	52405	Strand	+
Start	1	End	559
Name	OJ990604_12.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	307	End	559
GI	none	Score	115
Exons	307..423, 308..436, 313..444, 315..440, 507..557, 508..558, 508..558, 509..559		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52406	Strand	-
Start	735	End	926
Name	OJ990604_12.9B05.C6.o1.gp	Method	AAT/GAP
Start	735	End	926
GI	LIB3433-035-P1-K1-C2	Score	337
Exons	735..926		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52407	Strand	-
Start	1031	End	2567
Name	OJ990604_12.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	793	End	1217
GI	none	Score	191
Exons	793..816, 942..962, 1024..1212, 1028..1216, 1030..1212, 1032..1217		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52407	Strand	-
Start	1031	End	2567
Name	OJ990604_12.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	2567
GI	none	Score	150
Exons	1019..1276, 1028..1261, 1032..1277, 1033..1323, 2338..2562, 2339..2563, 2427..2567		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52407	Strand	-
Start	1031	End	2567
Name	OJ990604_12.9B05.C6.o1.np	Method	AAT/NAP
Start	1031	End	2556
GI	2668744	Score	702
Exons	1031..1258, 2341..2556		
GI Descrip.	(AF034946) ubiquitin conjugating enzyme [Zea mays]		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52407	Strand	-
Start	1031	End	2567
Name	OJ990604_12.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	1055	End	2557
GI	none	Score	97
Exons	1055..1276, 1070..1246, 1090..1266, 1101..1277, 2338..2556, 2339..2536, 2341..2556, 2441..2557		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52407	Strand	-
Start	1031	End	2567
Name	OJ990604_12.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	1187	End	2560
GI	none	Score	78
Exons	1187..1276, 1188..1280, 2338..2559, 2339..2560		

Seq. No.	25267	Seq. ID	OJ990604_12.9B05.C6
Gene No.	52407	Strand	-
Start	1031	End	2567
Name	OJ990604_12.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	1217	End	2567
GI	none	Score	359
Exons	1217..1276, 2338..2562, 2339..2563, 2412..2567		

Seq. No.	25268	Seq. ID	OJ990604_12.9B05.C10
Gene No.	52408	Strand	+
Start	1	End	661
Name	OJ990604_12.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	661
GI	4388818	Score	306
Exons	1..661		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25268	Seq. ID	OJ990604_12.9B05.C10
Gene No.	52408	Strand	+
Start	1	End	661

Name	OJ990604_12.9B05.C10.o1.gs	Method	GENSCAN
Start	157	End	467
GI	none	Score	.46
Exons	157..467		

Seq. No.	25269	Seq. ID	OJ990604_12.9B05.C12
Gene No.	52409	Strand	+
Start	395	End	1325
Name	OJ990604_12.9B05.C12.o1.gs	Method	GENSCAN
Start	395	End	1325
GI	none	Score	.81
Exons	395..440, 1228..1325		

Seq. No.	25269	Seq. ID	OJ990604_12.9B05.C12
Gene No.	52410	Strand	-
Start	1	End	585
Name	OJ990604_12.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	585
GI	5922634	Score	66
Exons	1..94, 458..585		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25269	Seq. ID	OJ990604_12.9B05.C12
Gene No.	52411	Strand	-
Start	3341	End	4780
Name	OJ990604_12.9B05.C12.o2.gs	Method	GENSCAN
Start	3341	End	4780
GI	none	Score	.63
Exons	3341..3516, 4321..4450, 4615..4780		

Seq. No.	25270	Seq. ID	OJ990604_12.9B05.C14
Gene No.	52412	Strand	+
Start	1	End	641
Name	OJ990604_12.9B05.C14.o1.np	Method	AAT/NAP
Start	1	End	641
GI	5042454	Score	201
Exons	1..151, 501..641		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25270	Seq. ID	OJ990604_12.9B05.C14
Gene No.	52412	Strand	+
Start	1	End	641
Name	OJ990604_12.9B05.C14.o1.gs	Method	GENSCAN
Start	85	End	608
GI	none	Score	.68
Exons	85..147, 401..608		

Seq. No.	25271	Seq. ID	OJ990604_12.9B05.C15
Gene No.	52413	Strand	-
Start	1	End	873
Name	OJ990604_12.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	873
GI	6721562	Score	551
Exons	1..873		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster;		

hypothetical protein. (AF031569) [Oryza sativa]
gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]

Seq. No.	25271	Seq. ID	OJ990604_12.9B05.C15
Gene No.	52413	Strand	-
Start	1	End	873
Name	OJ990604_12.9B05.C15.o1.gs	Method	GENSCAN
Start	363	End	692
GI	none	Score	.68
Exons	363..483, 507..692		

Seq. No.	25272	Seq. ID	OJ990604_12.9B05.C16
Gene No.	52414	Strand	+
Start	541	End	700
Name	OJ990604_12.9B05.C16.o1.gs	Method	GENSCAN
Start	541	End	700
GI	none	Score	.47
Exons	541..700		

Seq. No.	25273	Seq. ID	OJ990604_12.9B05.C17
Gene No.	52415	Strand	+
Start	93	End	2383
Name	OJ990604_12.9B05.C17.o1.gs	Method	GENSCAN
Start	93	End	2383
GI	none	Score	.74
Exons	93..190, 2251..2383		

Seq. No.	25274	Seq. ID	OJ990604_12.9B05.C18
Gene No.	52416	Strand	+
Start	289	End	495
Name	OJ990604_12.9B05.C18.o1.gs	Method	GENSCAN
Start	289	End	495
GI	none	Score	.7
Exons	289..495		

Seq. No.	25274	Seq. ID	OJ990604_12.9B05.C18
Gene No.	52417	Strand	-
Start	788	End	904
Name	OJ990604_12.9B05.C18.o1.gp	Method	AAT/GAP
Start	788	End	904
GI	21474_1,R1084	Score	195
Exons	788..904		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25275	Seq. ID	OJ990604_12.9B05.C19
Gene No.	52418	Strand	-
Start	180	End	1166
Name	OJ990604_12.9B05.C19.o1.gs	Method	GENSCAN
Start	180	End	1166
GI	none	Score	.87
Exons	180..304, 438..540, 635..707, 789..899, 994..1166		

Seq. No.	25276	Seq. ID	OJ990604_12.9B05.C25
Gene No.	52419	Strand	-

Start	10	End	106
Name	OJ990604_12.9B05.C25.o1.gs	Method	GENSCAN
Start	10	End	106
GI	none	Score	.84
Exons	10..106		

Seq. No.	25277	Seq. ID	OJ990604_12.9B05.C26
Gene No.	52420	Strand	+
Start	1431	End	1966
Name	OJ990604_12.9B05.C26.o1.gs	Method	GENSCAN
Start	1431	End	1966
GI	none	Score	.82
Exons	1431..1554, 1669..1806, 1929..1966		

Seq. No.	25277	Seq. ID	OJ990604_12.9B05.C26
Gene No.	52421	Strand	-
Start	1024	End	2273
Name	OJ990604_12.9B05.C26.o1.gp	Method	AAT/GAP
Start	1024	End	2273
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	1024..1059, 2209..2273		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25278	Seq. ID	OJ990604_12.9B05.C27
Gene No.	52422	Strand	+
Start	4387	End	5069
Name	OJ990604_12.9B05.C27.o1.gs	Method	GENSCAN
Start	4387	End	5069
GI	none	Score	.91
Exons	4387..4468, 4972..5069		

Seq. No.	25278	Seq. ID	OJ990604_12.9B05.C27
Gene No.	52423	Strand	-
Start	3641	End	4241
Name	OJ990604_12.9B05.C27.o1.gp	Method	AAT/GAP
Start	3641	End	4241
GI	3761363	Score	828
Exons	3641..4241		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	25278	Seq. ID	OJ990604_12.9B05.C27
Gene No.	52424	Strand	-
Start	4200	End	5175
Name	OJ990604_12.9B05.C27.o1.np	Method	AAT/NAP
Start	4200	End	5175
GI	6063554	Score	156
Exons	4200..4374, 5013..5040, 5156..5175		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25279	Seq. ID	OJ990604_12.9B05.C28
Gene No.	52425	Strand	+
Start	133	End	230

Name	OJ990604_12.9B05.C28.o1.gs	Method	GENSCAN
Start	133	End	230
GI	none	Score	.46
Exons	133..230		

Seq. No.	25279	Seq. ID	OJ990604_12.9B05.C28
Gene No.	52426	Strand	-
Start	1068	End	2020
Name	OJ990604_12.9B05.C28.o2.gs	Method	GENSCAN
Start	1068	End	2020
GI	none	Score	.52
Exons	1068..1268, 1415..1483, 1646..1865, 1867..2020		

Seq. No.	25280	Seq. ID	OJ990604_12.9B05.C31
Gene No.	52427	Strand	-
Start	1	End	533
Name	OJ990604_12.9B05.C31.o1.np	Method	AAT/NAP
Start	1	End	533
GI	4263650	Score	104
Exons	1..39, 239..533		
GI Descrip.	(AC006136) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25281	Seq. ID	OJ990604_12.9B05.C32
Gene No.	52428	Strand	+
Start	2436	End	3074
Name	OJ990604_12.9B05.C32.o1.gs	Method	GENSCAN
Start	2436	End	3074
GI	none	Score	.78
Exons	2436..2556, 2968..3074		

Seq. No.	25281	Seq. ID	OJ990604_12.9B05.C32
Gene No.	52429	Strand	+
Start	5980	End	7219
Name	OJ990604_12.9B05.C32.o2.gs	Method	GENSCAN
Start	5980	End	7219
GI	none	Score	.76
Exons	5980..5988, 7007..7219		

Seq. No.	25282	Seq. ID	OJ990604_12.9B05.C33
Gene No.	52430	Strand	+
Start	91	End	3080
Name	OJ990604_12.9B05.C33.o1.gs	Method	GENSCAN
Start	91	End	3080
GI	none	Score	.76
Exons	91..172, 289..325, 645..708, 2794..3080		

Seq. No.	25283	Seq. ID	OJ990604_12.9B05.C34
Gene No.	52431	Strand	-
Start	508	End	1162
Name	OJ990604_12.9B05.C34.o1.gs	Method	GENSCAN
Start	508	End	1162
GI	none	Score	.45
Exons	508..518, 1048..1162		

Seq. No.	25284	Seq. ID	OJ990604_12.9B05.C35
Gene No.	52432	Strand	+

Start	1	End	828
Name	OJ990604_12.9B05.C35.o1.np	Method	AAT/NAP
Start	1	End	807
GI	4680203	Score	748
Exons	1..807		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25284	Seq. ID	OJ990604_12.9B05.C35
Gene No.	52432	Strand	+
Start	1	End	828
Name	OJ990604_12.9B05.C35.o1.gs	Method	GENSCAN
Start	325	End	828
GI	none	Score	.59
Exons	325..828		

Seq. No.	25284	Seq. ID	OJ990604_12.9B05.C35
Gene No.	52433	Strand	+
Start	3124	End	5000
Name	OJ990604_12.9B05.C35.o1.tw	Method	TBLASTX:Wheat
Start	7	End	753
GI	none	Score	289
Exons	7..354, 22..321, 329..394, 348..389, 349..393, 396..491, 400..459, 438..563, 439..585, 469..570, 470..577, 507..587, 584..655, 592..672, 661..753, 665..751, 687..752		

Seq. No.	25284	Seq. ID	OJ990604_12.9B05.C35
Gene No.	52433	Strand	+
Start	3124	End	5000
Name	OJ990604_12.9B05.C35.o2.np	Method	AAT/NAP
Start	3124	End	5000
GI	4680204	Score	595
Exons	3124..4413, 4505..5000		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25285	Seq. ID	OJ990604_12.9B05.C36
Gene No.	52434	Strand	+
Start	95	End	851
Name	OJ990604_12.9B05.C36.o1.gs	Method	GENSCAN
Start	95	End	851
GI	none	Score	.74
Exons	95..204, 306..378, 474..572, 672..851		

Seq. No.	25286	Seq. ID	OJ990604_12.9B05.C37
Gene No.	52435	Strand	-
Start	390	End	496
Name	OJ990604_12.9B05.C37.o1.gs	Method	GENSCAN
Start	390	End	496
GI	none	Score	.57
Exons	390..496		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.gs	Method	GENSCAN
Start	154	End	4023
GI	none	Score	.4
Exons	154..1600, 1975..2443, 2507..2811, 3136..3282, 3662..4023		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.np	Method	AAT/NAP
Start	192	End	4052
GI	4388818	Score	2422
Exons	192..4052		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o3.tw	Method	TBLASTX:Wheat
Start	499	End	918
GI	none	Score	162
Exons	499..642, 516..638, 628..789, 648..707, 694..789, 755..847, 850..918, 873..908		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.gp	Method	AAT/GAP
Start	1442	End	1878
GI	2428449	Score	774
Exons	1442..1878		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o5.tw	Method	TBLASTX:Wheat
Start	1646	End	2213
GI	none	Score	85
Exons	1646..1777, 1659..1772, 1771..1908, 1785..1904, 1905..2054, 2151..2213		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o3.tm	Method	TBLASTX:Maize
Start	1810	End	2213
GI	none	Score	92
Exons	1810..1908, 1812..1901, 1904..2128, 1905..2132, 2148..2213		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o3.ts	Method	TBLASTX:Soybean
Start	1825	End	2276
GI	none	Score	56
Exons	1825..1908, 1904..2083, 1905..2153, 2139..2276		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39

Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.tc	Method	TBLASTX:Cress
Start	1905	End	2410
GI	none	Score	146
Exons	1905..2135, 2142..2309, 2142..2318, 2150..2410		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.tw	Method	TBLASTX:Wheat
Start	2489	End	2926
GI	none	Score	163
Exons	2489..2743, 2499..2924, 2499..2924, 2510..2926, 2551..2925		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o2.tm	Method	TBLASTX:Maize
Start	2756	End	3203
GI	none	Score	318
Exons	2756..3061, 2766..3203		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o2.tc	Method	TBLASTX:Cress
Start	2766	End	2972
GI	none	Score	183
Exons	2766..2972, 2769..2972		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.ts	Method	TBLASTX:Soybean
Start	2790	End	3144
GI	none	Score	348
Exons	2790..3134, 2810..3085, 2884..3144, 2884..3141		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o2.gp	Method	AAT/GAP
Start	2925	End	3167
GI	1621494	Score	422
Exons	2925..3167		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o2.tw	Method	TBLASTX:Wheat
Start	2927	End	3549
GI	none	Score	149
Exons	2927..3073, 2928..3077, 3117..3368, 3170..3304, 3343..3399, 3349..3549		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o4.tm	Method	TBLASTX:Maize
Start	3204	End	3606
GI	none	Score	104
Exons	3204..3362, 3206..3289, 3328..3606, 3348..3605, 3448..3606		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o4.tw	Method	TBLASTX:Wheat
Start	3660	End	4044
GI	none	Score	173
Exons	3660..3851, 3673..3876, 3901..4041, 3904..4044		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o3.tc	Method	TBLASTX:Cress
Start	3667	End	4026
GI	none	Score	78
Exons	3667..3747, 3748..3894, 3910..4026		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o1.tm	Method	TBLASTX:Maize
Start	3697	End	4052
GI	none	Score	461
Exons	3697..4050, 3699..4052		

Seq. No.	25287	Seq. ID	OJ990604_12.9B05.C39
Gene No.	52436	Strand	+
Start	154	End	4052
Name	OJ990604_12.9B05.C39.o2.ts	Method	TBLASTX:Soybean
Start	3721	End	4004
GI	none	Score	307
Exons	3721..3996, 3723..4004		

Seq. No.	25288	Seq. ID	OJ990604_12.9B05.C40
Gene No.	52437	Strand	+
Start	25	End	586
Name	OJ990604_12.9B05.C40.o1.gs	Method	GENSCAN
Start	25	End	586
GI	none	Score	.75
Exons	25..586		

Seq. No.	25289	Seq. ID	OJ990604_12.9B05.C42
Gene No.	52438	Strand	+
Start	3838	End	5193
Name	OJ990604_12.9B05.C42.o2.gs	Method	GENSCAN
Start	3838	End	5193
GI	none	Score	.61
Exons	3838..3875, 4000..4113, 5082..5193		

Seq. No.	25289	Seq. ID	OJ990604_12.9B05.C42
Gene No.	52439	Strand	+
Start	5455	End	6792
Name	OJ990604_12.9B05.C42.o2.np	Method	AAT/NAP
Start	5455	End	6792
GI	5852182	Score	270
Exons	5455..5523, 6596..6792		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25289	Seq. ID	OJ990604_12.9B05.C42
Gene No.	52439	Strand	+
Start	5455	End	6792
Name	OJ990604_12.9B05.C42.o1.gp	Method	AAT/GAP
Start	6565	End	6735
GI	2310235	Score	229
Exons	6565..6735		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25289	Seq. ID	OJ990604_12.9B05.C42
Gene No.	52440	Strand	-
Start	1	End	268
Name	OJ990604_12.9B05.C42.o1.np	Method	AAT/NAP
Start	1	End	268
GI	6539588	Score	94
Exons	1..268		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.gp	Method	AAT/GAP
Start	1	End	981
GI	342_1.R1084	Score	1650
Exons	1..981		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.np	Method	AAT/NAP
Start	1	End	981
GI	4680203	Score	1258
Exons	1..981		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.ts	Method	TBLASTX:Soybean
Start	57	End	484
GI	none	Score	96
Exons	57..140, 58..132, 203..382, 220..471, 239..484		

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+

Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.tc	Method	TBLASTX:Cress
Start	223	End	565
GI	none	Score	285
Exons	223..369, 233..565, 409..546		

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.gs	Method	GENSCAN
Start	311	End	970
GI	none	Score	.53
Exons	311..970		

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.tw	Method	TBLASTX:Wheat
Start	353	End	822
GI	none	Score	65
Exons	353..406, 361..405, 407..511, 523..615, 593..817, 613..822,	418..507, 616..822	515..613, 520..612,

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o1.tm	Method	TBLASTX:Maize
Start	410	End	856
GI	none	Score	247
Exons	410..652, 418..651, 434..652,	662..856	

Seq. No.	25290	Seq. ID	OJ990604_12.9B05.C43
Gene No.	52441	Strand	+
Start	1	End	981
Name	OJ990604_12.9B05.C43.o2.ts	Method	TBLASTX:Soybean
Start	686	End	928
GI	none	Score	211
Exons	686..928		

Seq. No.	25291	Seq. ID	OJ990604_12.9B05.C46
Gene No.	52442	Strand	+
Start	519	End	637
Name	OJ990604_12.9B05.C46.o1.gs	Method	GENSCAN
Start	519	End	637
GI	none	Score	.93
Exons	519..637		

Seq. No.	25291	Seq. ID	OJ990604_12.9B05.C46
Gene No.	52443	Strand	-
Start	768	End	912
Name	OJ990604_12.9B05.C46.o1.np	Method	AAT/NAP
Start	768	End	912
GI	6539588	Score	85
Exons	768..912		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25292	Seq. ID	OJ990604_12.9B05.C48

Gene No.	52444	Strand	+
Start	110	End	744
Name	OJ990604_12.9B05.C48.o1.gs	Method	GENSCAN
Start	110	End	679
GI	none	Score	.72
Exons	110..679		

Seq. No.	25292	Seq. ID	OJ990604_12.9B05.C48
Gene No.	52444	Strand	+
Start	110	End	744
Name	OJ990604_12.9B05.C48.o1.np	Method	AAT/NAP
Start	110	End	744
GI	6907089	Score	1052
Exons	110..744		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25293	Seq. ID	OJ990604_12.9B05.C51
Gene No.	52445	Strand	+
Start	310	End	877
Name	OJ990604_12.9B05.C51.o1.gp	Method	AAT/GAP
Start	310	End	877
GI	2798994	Score	732
Exons	310..877		
GI Descrip.	3660464/emb|AJ001753|ATI134T 2.0e-20 Arabidopsis thaliana mRNA for Inositol 1,3,4-Trisphosphate 5/6 Kinase		

Seq. No.	25293	Seq. ID	OJ990604_12.9B05.C51
Gene No.	52446	Strand	-
Start	424	End	984
Name	OJ990604_12.9B05.C51.o1.gs	Method	GENSCAN
Start	424	End	984
GI	none	Score	.85
Exons	424..984		

Seq. No.	25293	Seq. ID	OJ990604_12.9B05.C51
Gene No.	52446	Strand	-
Start	424	End	984
Name	OJ990604_12.9B05.C51.o1.tm	Method	TBLASTX:Maize
Start	766	End	970
GI	none	Score	65
Exons	766..822, 771..815, 832..969, 845..970		

Seq. No.	25294	Seq. ID	OJ990604_12.9B05.C52
Gene No.	52447	Strand	-
Start	797	End	917
Name	OJ990604_12.9B05.C52.o1.gs	Method	GENSCAN
Start	797	End	917
GI	none	Score	.57
Exons	797..917		

Seq. No.	25295	Seq. ID	OJ990604_12.9B05.C53
Gene No.	52448	Strand	-
Start	473	End	626
Name	OJ990604_12.9B05.C53.o1.gs	Method	GENSCAN
Start	473	End	626
GI	none	Score	.82
Exons	473..568, 620..626		

Seq. No.	25296	Seq. ID	OJ990604_12.9B05.C54
Gene No.	52449	Strand	+
Start	328	End	523
Name	OJ990604_12.9B05.C54.o1.gs	Method	GENSCAN
Start	328	End	523
GI	none	Score	.53
Exons	328..523		

Seq. No.	25296	Seq. ID	OJ990604_12.9B05.C54
Gene No.	52450	Strand	-
Start	1972	End	2139
Name	OJ990604_12.9B05.C54.o2.gs	Method	GENSCAN
Start	1972	End	2139
GI	none	Score	.6
Exons	1972..2139		

Seq. No.	25297	Seq. ID	OJ990604_12.9B05.C55
Gene No.	52451	Strand	+
Start	1725	End	2600
Name	OJ990604_12.9B05.C55.o1.np	Method	AAT/NAP
Start	1725	End	2600
GI	5922623	Score	203
Exons	1725..1809, 2203..2357, 2525..2600		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25297	Seq. ID	OJ990604_12.9B05.C55
Gene No.	52452	Strand	-
Start	415	End	2244
Name	OJ990604_12.9B05.C55.o1.gs	Method	GENSCAN
Start	415	End	2244
GI	none	Score	.86
Exons	415..579, 1758..1928, 2182..2244		

Seq. No.	25298	Seq. ID	OJ990604_12.9B05.C56
Gene No.	52453	Strand	+
Start	964	End	4348
Name	OJ990604_12.9B05.C56.o1.np	Method	AAT/NAP
Start	964	End	4348
GI	6815052	Score	266
Exons	964..993, 2646..3069, 4231..4348		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25298	Seq. ID	OJ990604_12.9B05.C56
Gene No.	52453	Strand	+
Start	964	End	4348
Name	OJ990604_12.9B05.C56.o1.gs	Method	GENSCAN
Start	972	End	3007
GI	none	Score	.67
Exons	972..984, 2174..2273, 2515..2594, 2712..3007		

Seq. No.	25298	Seq. ID	OJ990604_12.9B05.C56
Gene No.	52454	Strand	-
Start	4032	End	4148
Name	OJ990604_12.9B05.C56.o2.gs	Method	GENSCAN

Start	4032	End	4148
GI	none	Score	.65
Exons	4032..4148		

Seq. No.	25299	Seq. ID	OJ990604_12.9B05.C57
Gene No.	52455	Strand	-
Start	1	End	3173
Name	OJ990604_12.9B05.C57.o1.np	Method	AAT/NAP
Start	1	End	3173
GI	226689	Score	337
Exons	1..124, 1694..2001, 3145..3173		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	25299	Seq. ID	OJ990604_12.9B05.C57
Gene No.	52455	Strand	-
Start	1	End	3173
Name	OJ990604_12.9B05.C57.o1.tm	Method	TBLASTX:Maize
Start	1693	End	1986
GI	none	Score	52
Exons	1693..1728, 1694..1792, 1694..1777, 1699..1809, 1779..1850, 1806..1847, 1850..1975, 1850..1975, 1854..1976, 1857..1985, 1864..1986		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52456	Strand	+
Start	1	End	4206
Name	OJ990604_12.9B05.C58.o1.np	Method	AAT/NAP
Start	1	End	4119
GI	4680203	Score	3190
Exons	1..44, 821..2482, 2636..2866, 3143..4119		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52456	Strand	+
Start	1	End	4206
Name	OJ990604_12.9B05.C58.o1.gs	Method	GENSCAN
Start	824	End	4206
GI	none	Score	.8
Exons	824..1621, 1757..2098, 2144..3316, 3322..4206		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o3.tw	Method	TBLASTX:Wheat
Start	1124	End	1516
GI	none	Score	97
Exons	1124..1267, 1146..1253, 1250..1501, 1258..1500, 1259..1516, 1261..1503, 1269..1511		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o1.ts	Method	TBLASTX:Soybean
Start	1432	End	1861
GI	none	Score	103
Exons	1432..1515, 1433..1507, 1565..1861, 1597..1848		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o2.tc	Method	TBLASTX:Cress
Start	1594	End	1942
GI	none	Score	285
Exons	1594..1668, 1601..1942, 1804..1938		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o2.tw	Method	TBLASTX:Wheat
Start	1730	End	2199
GI	none	Score	73
Exons	1730..1786, 1738..1782, 1783..1884, 1784..1888, 1784..1906, 1892..1990, 1897..1983, 1900..1992, 1970..2194, 1990..2199, 1991..2194, 2038..2199		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o1.tm	Method	TBLASTX:Maize
Start	1775	End	2230
GI	none	Score	237
Exons	1775..2029, 1787..2029, 2039..2230		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o2.ts	Method	TBLASTX:Soybean
Start	2063	End	2305
GI	none	Score	194
Exons	2063..2305		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o4.tw	Method	TBLASTX:Wheat
Start	2338	End	2749
GI	none	Score	87
Exons	2338..2388, 2339..2401, 2387..2629, 2407..2589, 2662..2748, 2663..2749		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o1.tw	Method	TBLASTX:Wheat
Start	2750	End	4065
GI	none	Score	626
Exons	2750..3250, 2753..2929, 2757..3194, 2818..3294, 2957..3310, 3319..3666, 3330..3650, 3661..3705, 3665..3700, 3708..3803, 3712..3771, 3750..3890, 3751..3891, 3904..3984, 3973..4065		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o2.tm	Method	TBLASTX:Maize

Start	2792	End	3109
GI	none	Score	303
Exons	2792..3109, 2806..3078, 2876..3106		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o1.tc	Method	TBLASTX:Cress
Start	3033	End	3483
GI	none	Score	99
Exons	3033..3188, 3037..3192, 3037..3294, 3041..3250, 3047..3310, 3319..3483, 3330..3479		

Seq. No.	25300	Seq. ID	OJ990604_12.9B05.C58
Gene No.	52457	Strand	-
Start	3759	End	4175
Name	OJ990604_12.9B05.C58.o1.gp	Method	AAT/GAP
Start	3759	End	4175
GI	LIB3431-028-P1-N1-A10	Score	733
Exons	3759..4175		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	25301	Seq. ID	OJ990604_12.9B05.C59
Gene No.	52458	Strand	+
Start	1891	End	3179
Name	OJ990604_12.9B05.C59.o2.np	Method	AAT/NAP
Start	1891	End	3179
GI	4680204	Score	697
Exons	1891..3179		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25301	Seq. ID	OJ990604_12.9B05.C59
Gene No.	52458	Strand	+
Start	1891	End	3179
Name	OJ990604_12.9B05.C59.o1.tw	Method	TBLASTX:Wheat
Start	2536	End	2934
GI	none	Score	208
Exons	2536..2772, 2542..2730, 2637..2804, 2767..2934, 2862..2930		

Seq. No.	25302	Seq. ID	OJ990604_12.9B05.C61
Gene No.	52459	Strand	+
Start	105	End	656
Name	OJ990604_12.9B05.C61.o1.gs	Method	GENSCAN
Start	105	End	656
GI	none	Score	.59
Exons	105..159, 178..253, 572..656		

Seq. No.	25303	Seq. ID	OJ990604_12.9B05.C63
Gene No.	52460	Strand	+
Start	273	End	327
Name	OJ990604_12.9B05.C63.o1.gs	Method	GENSCAN
Start	273	End	327
GI	none	Score	.72
Exons	273..327		

Seq. No.	25304	Seq. ID	OJ990604_12.9B05.C64

Gene No.	52461	Strand	-
Start	1	End	217
Name	OJ990604_12.9B05.C64.o1.np	Method	AAT/NAP
Start	1	End	217
GI	6907089	Score	352
Exons	1..217		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25304	Seq. ID	OJ990604_12.9B05.C64
Gene No.	52461	Strand	-
Start	1	End	217
Name	OJ990604_12.9B05.C64.o1.gs	Method	GENSCAN
Start	63	End	156
GI	none	Score	.48
Exons	63..156		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52462	Strand	+
Start	1	End	4228
Name	OJ990604_12.9B05.C65.o1.np	Method	AAT/NAP
Start	1	End	4228
GI	6498441	Score	5242
Exons	1..439, 503..876, 1060..1194, 2456..3853, 3947..4228	1369..1795, 1988..2284,	
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52463	Strand	+
Start	4387	End	4847
Name	OJ990604_12.9B05.C65.o1.gp	Method	AAT/GAP
Start	4387	End	4847
GI	2428323	Score	675
Exons	4387..4847		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o5.tw	Method	TBLASTX:Wheat
Start	13	End	6305
GI	none	Score	298
Exons	13..354, 57..317, 67..321, 6228..6305		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o1.tw	Method	TBLASTX:Wheat
Start	510	End	973
GI	none	Score	224
Exons	510..953, 511..966, 512..973, 512..967, 735..968		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637

Name	OJ990604_12.9B05.C65.o2.ts	Method	TBLASTX:Soybean
Start	551	End	916
GI	none	Score	118
Exons	551..775, 782..916		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o1.tm	Method	TBLASTX:Maize
Start	641	End	997
GI	none	Score	386
Exons	641..997, 676..987, 692..997		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o3.tm	Method	TBLASTX:Maize
Start	1024	End	1408
GI	none	Score	358
Exons	1024..1389, 1025..1408		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o2.tw	Method	TBLASTX:Wheat
Start	1081	End	1501
GI	none	Score	488
Exons	1081..1494, 1082..1501		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o1.ts	Method	TBLASTX:Soybean
Start	1160	End	1531
GI	none	Score	279
Exons	1160..1531, 1177..1320		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o4.tw	Method	TBLASTX:Wheat
Start	2156	End	2590
GI	none	Score	237
Exons	2156..2407, 2171..2386, 2221..2406, 2441..2590, 2452..2589		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o3.ts	Method	TBLASTX:Soybean
Start	2279	End	2689
GI	none	Score	84
Exons	2279..2377, 2444..2689		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o7.tw	Method	TBLASTX:Wheat

Start	2594	End	2905
GI	none	Score	190
Exons	2594..2905		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o2.tm	Method	TBLASTX:Maize
Start	3098	End	3460
GI	none	Score	361
Exons	3098..3421, 3127..3408, 3413..3460		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o3.tw	Method	TBLASTX:Wheat
Start	3235	End	3616
GI	none	Score	372
Exons	3235..3291, 3236..3616, 3239..3577, 3337..3585		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o6.tw	Method	TBLASTX:Wheat
Start	3617	End	4219
GI	none	Score	262
Exons	3617..3901, 3619..3927, 3622..3900, 4093..4215, 4094..4219		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o4.tm	Method	TBLASTX:Maize
Start	4088	End	4231
GI	none	Score	184
Exons	4088..4231, 4093..4227		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o2.gs	Method	GENSCAN
Start	4855	End	6568
GI	none	Score	.77
Exons	4855..5199, 5256..6568		

Seq. No.	25305	Seq. ID	OJ990604_12.9B05.C65
Gene No.	52464	Strand	-
Start	4855	End	6637
Name	OJ990604_12.9B05.C65.o2.np	Method	AAT/NAP
Start	4858	End	6637
GI	6907089	Score	2532
Exons	4858..6637		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25306	Seq. ID	OJ990604_12.9B05.C66
Gene No.	52465	Strand	-
Start	144	End	215
Name	OJ990604_12.9B05.C66.o1.gs	Method	GENSCAN

Start	144	End	215
GI	none	Score	.78
Exons	144..215		

Seq. No.	25307	Seq. ID	OJ990604_12.9B05.C67
Gene No.	52466	Strand	+
Start	101	End	271
Name	OJ990604_12.9B05.C67.o1.gs	Method	GENSCAN
Start	101	End	271
GI	none	Score	.66
Exons	101..271		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52467	Strand	+
Start	1627	End	12639
Name	OJ990914_14.9B01.C1.o1.gs	Method	GENSCAN
Start	1627	End	12639
GI	none	Score	.62
Exons	1627..1804, 1983..2151, 2223..2289, 4907..4947, 5049..5168, 5495..5826, 5840..5896, 6104..6203, 6385..6498, 6703..6925, 7227..7347, 8016..8116, 8502..8631, 9650..9760, 10680..10769, 10854..10934, 11021..11089, 11213..11326, 11813..11874, 12008..12104, 12577..12639		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52468	Strand	+
Start	17720	End	19258
Name	OJ990914_14.9B01.C1.o4.np	Method	AAT/NAP
Start	17720	End	19258
GI	4835757	Score	91
Exons	17720..17808, 18813..18894, 19029..19258		
GI Descrip.	(AC007202) EST gb|AA404917 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o2.ts	Method	TBLASTX:Soybean
Start	8067	End	10468
GI	none	Score	77
Exons	8067..8126, 8486..8632, 8492..8584, 8499..8642, 8499..8621, 8500..8655, 8503..8631, 10364..10468		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o1.np	Method	AAT/NAP
Start	12876	End	15352
GI	3355308	Score	1056
Exons	12876..14104, 14194..14332, 14419..14706, 14764..15352		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	13015	End	14014

GI	none	Score	247
Exons	13015..13566, 13016..13501, 13600..13902, 13616..13795, 13853..13900, 13942..14013, 13946..14014		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o1.tc	Method	TBLASTX:Cress
Start	13036	End	15286
GI	none	Score	259
Exons	13036..13902, 13076..13501, 13598..13795, 13942..13998, 14420..14515, 15212..15286		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	13192	End	13998
GI	none	Score	172
Exons	13192..13779, 13265..13486, 13616..13741, 13762..13902, 13942..13998		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o2.tw	Method	TBLASTX:Wheat
Start	13246	End	13521
GI	none	Score	64
Exons	13246..13389, 13261..13353, 13271..13384, 13390..13521, 13391..13519		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o1.tw	Method	TBLASTX:Wheat
Start	13522	End	13884
GI	none	Score	126
Exons	13522..13884, 13607..13789		

Seq. No.	25308	Seq. ID	OJ990914_14.9B01.C1
Gene No.	52469	Strand	-
Start	12876	End	17546
Name	OJ990914_14.9B01.C1.o3.np	Method	AAT/NAP
Start	14138	End	17546
GI	6539588	Score	79
Exons	14138..14182, 16551..16766, 17520..17546		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25309	Seq. ID	OJ990914_14.9B01.C2
Gene No.	52470	Strand	-
Start	1774	End	2088
Name	OJ990914_14.9B01.C2.o2.gs	Method	GENSCAN
Start	1774	End	2088
GI	none	Score	.84
Exons	1774..2088		

Seq. No.	25310	Seq. ID	OJ990914_14.9B01.C3

Gene No.	52471	Strand	-
Start	290	End	750
Name	OJ990914_14.9B01.C3.o1.gs	Method	GENSCAN
Start	290	End	750
GI	none	Score	.6
Exons	290..474, 663..750		

Seq. No.	25311	Seq. ID	OJ990914_14.9B01.C4
Gene No.	52472	Strand	+
Start	121	End	457
Name	OJ990914_14.9B01.C4.o1.gs	Method	GENSCAN
Start	121	End	457
GI	none	Score	.9
Exons	121..217, 298..457		

Seq. No.	25312	Seq. ID	OJ990914_14.9B01.C5
Gene No.	52473	Strand	+
Start	206	End	295
Name	OJ990914_14.9B01.C5.o1.gp	Method	AAT/GAP
Start	206	End	295
GI	4715767	Score	130
Exons	206..295		
GI Descrip.	6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11		

Seq. No.	25312	Seq. ID	OJ990914_14.9B01.C5
Gene No.	52474	Strand	-
Start	863	End	1483
Name	OJ990914_14.9B01.C5.o1.gs	Method	GENSCAN
Start	863	End	1483
GI	none	Score	.8
Exons	863..1157, 1259..1483		

Seq. No.	25312	Seq. ID	OJ990914_14.9B01.C5
Gene No.	52474	Strand	-
Start	863	End	1483
Name	OJ990914_14.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	876	End	1214
GI	none	Score	108
Exons	876..1145, 916..1068, 1052..1150, 1143..1214		

Seq. No.	25312	Seq. ID	OJ990914_14.9B01.C5
Gene No.	52474	Strand	-
Start	863	End	1483
Name	OJ990914_14.9B01.C5.o1.ts	Method	TBLASTX:Soybean
Start	882	End	1133
GI	none	Score	68
Exons	882..1133, 916..1068		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52475	Strand	+
Start	614	End	5367
Name	OJ990914_14.9B01.C6.o1.gs	Method	GENSCAN
Start	614	End	5088
GI	none	Score	.48
Exons	614..707, 1161..1400, 1604..1625, 1780..1895, 2613..2723, 3337..3355, 4025..4171, 4613..4672, 5028..5088		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52475	Strand	+
Start	614	End	5367
Name	OJ990914_14.9B01.C6.o1.gp	Method	AAT/GAP
Start	2899	End	3256
GI	12650_1.R1084	Score	660
Exons	2899..3256		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-24 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52475	Strand	+
Start	614	End	5367
Name	OJ990914_14.9B01.C6.o2.gp	Method	AAT/GAP
Start	3308	End	5367
GI	none	Score	1344
Exons	3308..3356, 4010..4171, 4559..4672, 4839..4953, 5028..5367		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52476	Strand	+
Start	6447	End	6809
Name	OJ990914_14.9B01.C6.o3.gp	Method	AAT/GAP
Start	6447	End	6809
GI	427721	Score	670
Exons	6447..6809		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52477	Strand	-
Start	10515	End	13643
Name	OJ990914_14.9B01.C6.o1.np	Method	AAT/NAP
Start	9232	End	12616
GI	6665543	Score	783
Exons	9232..9270, 10623..11716, 12338..12433, 12525..12616		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52477	Strand	-
Start	10515	End	13643
Name	OJ990914_14.9B01.C6.o3.gs	Method	GENSCAN
Start	10515	End	13643
GI	none	Score	.55
Exons	10515..11722, 12293..12433, 12525..13323, 13452..13643		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52478	Strand	-
Start	15717	End	20252
Name	OJ990914_14.9B01.C6.o4.gs	Method	GENSCAN
Start	15717	End	20252
GI	none	Score	.75
Exons	15717..15935, 15975..16186, 17590..18651, 18984..19148, 19304..20252		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52478	Strand	-
Start	15717	End	20252
Name	OJ990914_14.9B01.C6.o2.np	Method	AAT/NAP

Start	17492	End	20234
GI	3355308	Score	1086
Exons	17492..18651, 18984..19148, 19304..19901, 19991..20234		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o2.tm	Method	TBLASTX:Maize
Start	4046	End	4676
GI	none	Score	43
Exons	4046..4084, 4050..4085, 4092..4178, 4093..4149, 4555..4674, 4557..4676		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o1.tc	Method	TBLASTX:Cress
Start	10818	End	20171
GI	none	Score	154
Exons	10818..11219, 10912..11169, 11235..11615, 11251..11421, 11562..11708, 11563..11715, 12309..12368, 12526..12621, 12682..12708, 13270..13350, 17624..18568, 17627..18163, 17922..18374, 18453..18593, 18470..18595, 19299..19400, 19461..19577, 19659..19694, 20088..20171		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o1.tm	Method	TBLASTX:Maize
Start	10872	End	18590
GI	none	Score	164
Exons	10872..11213, 10873..11160, 11228..11521, 11229..11639, 11248..11439, 11476..11637, 17597..18559, 17604..17693, 17775..18149, 17884..18156, 18131..18307, 18201..18380, 18441..18476, 18449..18589, 18522..18590		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o1.ts	Method	TBLASTX:Soybean
Start	10872	End	18574
GI	none	Score	98
Exons	10872..11222, 10891..11001, 11053..11169, 11228..11395, 11234..11353, 11235..11414, 11251..11379, 11397..11582, 11406..11552, 11533..11616, 17782..18111, 17798..18367, 17910..18329, 18350..18574, 18509..18574		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o2.tw	Method	TBLASTX:Wheat
Start	10887	End	18109
GI	none	Score	73
Exons	10887..11027, 10891..11001, 11031..11159, 11041..11124, 17858..17977, 17979..18107, 17993..18109		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o1.tw	Method	TBLASTX:Wheat
Start	11160	End	18472
GI	none	Score	41
Exons	11160..11216, 11160..11219, 11223..11585, 11224..11442, 11232..11588, 11497..11586, 18110..18472, 18111..18377		

Seq. No.	25313	Seq. ID	OJ990914_14.9B01.C6
Gene No.	52479	Strand	-
Start	21841	End	21901
Name	OJ990914_14.9B01.C6.o4.gp	Method	AAT/GAP
Start	21841	End	21901
GI	LIB3431-030-P1-N1-G8	Score	83
Exons	21841..21901		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25314	Seq. ID	OJ990914_14.9B01.C7
Gene No.	52480	Strand	+
Start	89	End	7523
Name	OJ990914_14.9B01.C7.o1.gs	Method	GENSCAN
Start	89	End	7523
GI	none	Score	.41
Exons	89..162, 759..1136, 1560..3146, 3631..3704, 3780..4146, 4232..4454, 4527..4645, 4726..5024, 5129..5390, 5483..5590, 5637..5738, 6006..6375, 6439..6692, 7081..7304, 7487..7523		

Seq. No.	25314	Seq. ID	OJ990914_14.9B01.C7
Gene No.	52480	Strand	+
Start	89	End	7523
Name	OJ990914_14.9B01.C7.o1.np	Method	AAT/NAP
Start	891	End	6389
GI	5441880	Score	2766
Exons	891..1902, 2347..2378, 2637..2963, 3565..3704, 3813..4146, 4726..5024, 5129..5385, 5941..6389		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25314	Seq. ID	OJ990914_14.9B01.C7
Gene No.	52480	Strand	+
Start	89	End	7523
Name	OJ990914_14.9B01.C7.o1.tm	Method	TBLASTX:Maize
Start	1458	End	2054
GI	none	Score	375
Exons	1458..1925, 1463..1936, 1983..2054		

Seq. No.	25314	Seq. ID	OJ990914_14.9B01.C7
Gene No.	52480	Strand	+
Start	89	End	7523
Name	OJ990914_14.9B01.C7.o1.tw	Method	TBLASTX:Wheat
Start	1752	End	2129
GI	none	Score	191
Exons	1752..1901, 1754..1906, 1755..1931, 1955..2023, 1956..2129, 1978..2118		

Seq. No.	25314	Seq. ID	OJ990914_14.9B01.C7
Gene No.	52480	Strand	+
Start	89	End	7523
Name	OJ990914_14.9B01.C7.o1.gp	Method	AAT/GAP
Start	3819	End	6068
GI	LIB3433-020-P1-K1-A6	Score	744
Exons	3819..3869, 5688..6068		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25314	Seq. ID	OJ990914_14.9B01.C7
Gene No.	52480	Strand	+
Start	89	End	7523
Name	OJ990914_14.9B01.C7.o2.tw	Method	TBLASTX:Wheat
Start	3871	End	4300
GI	none	Score	92
Exons	3871..3924, 3885..3935, 3933..4052, 3934..4053, 4226..4300		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52481	Strand	+
Start	193	End	259
Name	OJ990914_14.9B01.C8.o1.gp	Method	AAT/GAP
Start	193	End	259
GI	LIB3431-030-P1-N1-G8	Score	82
Exons	193..259		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52482	Strand	+
Start	552	End	1651
Name	OJ990914_14.9B01.C8.o1.gs	Method	GENSCAN
Start	552	End	1651
GI	none	Score	.44
Exons	552..662, 726..733, 1287..1651		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52483	Strand	+
Start	8617	End	8822
Name	OJ990914_14.9B01.C8.o2.gp	Method	AAT/GAP
Start	8617	End	8822
GI	3766626	Score	267
Exons	8617..8822		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52484	Strand	+
Start	9134	End	13861
Name	OJ990914_14.9B01.C8.o4.gs	Method	GENSCAN
Start	9134	End	12959
GI	none	Score	.52
Exons	9134..9220, 10142..10245, 11116..11290, 12447..12959		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52484	Strand	+

Start	9134	End	13861
Name	OJ990914_14.9B01.C8.o4.gp	Method	AAT/GAP
Start	11965	End	12159
GI	5667165	Score	327
Exons	11965..12159		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52484	Strand	+
Start	9134	End	13861
Name	OJ990914_14.9B01.C8.o2.np	Method	AAT/NAP
Start	12245	End	13861
GI	6907086	Score	1201
Exons	12245..12990, 13050..13289, 13520..13583, 13691..13861		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52484	Strand	+
Start	9134	End	13861
Name	OJ990914_14.9B01.C8.o5.gs	Method	GENSCAN
Start	13551	End	13751
GI	none	Score	.73
Exons	13551..13751		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52485	Strand	-
Start	2175	End	4898
Name	OJ990914_14.9B01.C8.o2.gs	Method	GENSCAN
Start	2175	End	4898
GI	none	Score	.76
Exons	2175..3367, 3480..3647, 3973..4357, 4371..4898		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52485	Strand	-
Start	2175	End	4898
Name	OJ990914_14.9B01.C8.o1.np	Method	AAT/NAP
Start	2196	End	4880
GI	3355308	Score	1022
Exons	2196..3389, 3496..3647, 3973..4488, 4531..4880		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52486	Strand	-
Start	10290	End	10806
Name	OJ990914_14.9B01.C8.o1.tm	Method	TBLASTX:Maize
Start	2307	End	3307
GI	none	Score	62
Exons	2307..3194, 2308..2409, 2515..2808, 2835..3017, 2905..3093, 3084..3194, 3238..3306, 3239..3307		

Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52486	Strand	-
Start	10290	End	10806
Name	OJ990914_14.9B01.C8.o1.tc	Method	TBLASTX:Cress
Start	2328	End	4859
GI	none	Score	51

Exons	2328..3194, 2350..2397, 2485..2808, 2898..3020, 2908..3090, 3234..3275, 3977..4060, 3981..4061, 4130..4246, 4734..4859		
Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52486	Strand	-
Start	10290	End	10806
Name	OJ990914_14.9B01.C8.o1.ts	Method	TBLASTX:Soybean
Start	2485	End	3275
GI	none	Score	193
Exons	2485..2811, 2501..2815, 2502..3071, 2959..3060, 3054..3194, 3234..3275		
Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52486	Strand	-
Start	10290	End	10806
Name	OJ990914_14.9B01.C8.o2.tw	Method	TBLASTX:Wheat
Start	2562	End	2813
GI	none	Score	110
Exons	2562..2681, 2563..2676, 2682..2813, 2683..2811		
Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52486	Strand	-
Start	10290	End	10806
Name	OJ990914_14.9B01.C8.o1.tw	Method	TBLASTX:Wheat
Start	2814	End	3176
GI	none	Score	142
Exons	2814..3176, 2878..3090, 3101..3157		
Seq. No.	25315	Seq. ID	OJ990914_14.9B01.C8
Gene No.	52486	Strand	-
Start	10290	End	10806
Name	OJ990914_14.9B01.C8.o3.gp	Method	AAT/GAP
Start	10290	End	10806
GI	38782_1.R1084	Score	814
Exons	10290..10806		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	25316	Seq. ID	OJ990914_14.9B01.C9
Gene No.	52487	Strand	+
Start	216	End	309
Name	OJ990914_14.9B01.C9.o1.gs	Method	GENSCAN
Start	216	End	309
GI	none	Score	.46
Exons	216..309		
Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52488	Strand	+
Start	1108	End	6013
Name	OJ990914_14.9B01.C10.o1.gs	Method	GENSCAN
Start	1108	End	5882
GI	none	Score	.84
Exons	1108..2044, 4552..4719, 4882..5882		
Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52488	Strand	+
Start	1108	End	6013

Name	OJ990914_14.9B01.C10.o1.np	Method	AAT/NAP
Start	1132	End	6013
GI	4826399	Score	1027
Exons	1132..2044, 4552..4657, 4768..6013		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52488	Strand	+
Start	1108	End	6013
Name	OJ990914_14.9B01.C10.o1.gp	Method	AAT/GAP
Start	2244	End	2320
GI	90742_1.R1084	Score	96
Exons	2244..2320		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52489	Strand	+
Start	15529	End	17210
Name	OJ990914_14.9B01.C10.o4.gs	Method	GENSCAN
Start	15529	End	17210
GI	none	Score	.73
Exons	15529..16021, 17068..17210		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52490	Strand	+
Start	18013	End	19992
Name	OJ990914_14.9B01.C10.o5.gs	Method	GENSCAN
Start	18013	End	19992
GI	none	Score	.8
Exons	18013..19992		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52491	Strand	-
Start	5820	End	12890
Name	OJ990914_14.9B01.C10.o2.np	Method	AAT/NAP
Start	5820	End	11700
GI	6069646	Score	1038
Exons	5820..5884, 6385..7295, 7591..8397, 11624..11700		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52491	Strand	-
Start	5820	End	12890
Name	OJ990914_14.9B01.C10.o2.gs	Method	GENSCAN
Start	6341	End	8932
GI	none	Score	.57
Exons	6341..6537, 7501..7914, 8455..8566, 8804..8932		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52491	Strand	-
Start	5820	End	12890
Name	OJ990914_14.9B01.C10.o3.gs	Method	GENSCAN

Start	9278	End	12890
GI	none	Score	.46
Exons	9278..9639, 10267..10495, 10675..10835, 10906..10996, 11275..11887, 12087..12250, 12467..12706, 12813..12890		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o1.tc	Method	TBLASTX:Cress
Start	1150	End	5856
GI	none	Score	89
Exons	1150..1281, 1840..1887, 1945..2043, 4817..5026, 4854..5042, 4911..5789, 5105..5293, 5321..5557, 5574..5810, 5800..5856		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o2.tm	Method	TBLASTX:Maize
Start	4889	End	5883
GI	none	Score	94
Exons	4889..4957, 4890..5051, 4920..5801, 5003..5035, 5099..5290, 5154..5810, 5803..5883, 5803..5880		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o2.ts	Method	TBLASTX:Soybean
Start	4905	End	5696
GI	none	Score	69
Exons	4905..4970, 4905..5129, 5112..5696, 5123..5557, 5514..5690		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o1.tw	Method	TBLASTX:Wheat
Start	5007	End	5369
GI	none	Score	385
Exons	5007..5369, 5102..5359		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o2.tw	Method	TBLASTX:Wheat
Start	5370	End	5621
GI	none	Score	138
Exons	5370..5501, 5372..5500, 5502..5621, 5507..5557		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o5.tm	Method	TBLASTX:Maize
Start	6392	End	6923
GI	none	Score	63
Exons	6392..6583, 6557..6682, 6564..6680, 6714..6794, 6718..6792, 6819..6923		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10

Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o8.tm	Method	TBLASTX:Maize
Start	7032	End	7307
GI	none	Score	95
Exons	7032..7112, 7125..7307, 7126..7299		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o3.tm	Method	TBLASTX:Maize
Start	7403	End	8062
GI	none	Score	70
Exons	7403..8062, 7481..7744, 7854..8027		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o3.tw	Method	TBLASTX:Wheat
Start	7430	End	7735
GI	none	Score	104
Exons	7430..7735, 7434..7733		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o4.tm	Method	TBLASTX:Maize
Start	8063	End	8474
GI	none	Score	50
Exons	8063..8164, 8103..8144, 8153..8407, 8217..8411, 8400..8450, 8438..8473, 8448..8474		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o6.tm	Method	TBLASTX:Maize
Start	8534	End	8968
GI	none	Score	75
Exons	8534..8773, 8652..8768, 8831..8968		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o5.tw	Method	TBLASTX:Wheat
Start	8963	End	9352
GI	none	Score	60
Exons	8963..9352, 9039..9167		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o9.tm	Method	TBLASTX:Maize
Start	9188	End	9427
GI	none	Score	129
Exons	9188..9286, 9290..9427		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10

Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o6.tw	Method	TBLASTX:Wheat
Start	12577	End	21780
GI	none	Score	63
Exons	12577..12711, 12749..12841, 21428..21580, 21441..21476, 21682..21780, 21692..21778		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o7.tm	Method	TBLASTX:Maize
Start	13662	End	17769
GI	none	Score	112
Exons	13662..13745, 13665..13739, 13666..13758, 13730..13792, 13738..13791, 17572..17769, 17573..17767		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o3.ts	Method	TBLASTX:Soybean
Start	13686	End	17760
GI	none	Score	102
Exons	13686..13739, 13739..13792, 17576..17662, 17577..17693, 17577..17663, 17637..17747, 17639..17743, 17641..17760		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o1.tm	Method	TBLASTX:Maize
Start	20295	End	21787
GI	none	Score	43
Exons	20295..20375, 20428..20583, 20429..20569, 20439..20582, 20686..20787, 20694..21065, 20863..21066, 21152..21334, 21161..21202, 21198..21335, 21426..21482, 21428..21583, 21544..21579, 21678..21785, 21679..21786, 21680..21787		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o4.np	Method	AAT/NAP
Start	20402	End	21816
GI	2960364	Score	874
Exons	20402..20581, 20695..21047, 21152..21337, 21428..21582, 21678..21816		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o6.gs	Method	GENSCAN
Start	20404	End	21825
GI	none	Score	.87
Exons	20404..20581, 20713..21047, 21152..21334, 21428..21582, 21678..21825		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o1.ts	Method	TBLASTX:Soybean
Start	20437	End	21840
GI	none	Score	117
Exons	20437..20583, 20441..20566, 20685..21050, 21155..21337, 21201..21335, 21428..21580, 21441..21479, 21679..21840, 21680..21772, 21795..21806		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o4.tw	Method	TBLASTX:Wheat
Start	20449	End	20915
GI	none	Score	97
Exons	20449..20583, 20450..20566, 20505..20582, 20685..20768, 20686..20769, 20772..20915		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o2.tc	Method	TBLASTX:Cress
Start	21155	End	21775
GI	none	Score	104
Exons	21155..21337, 21204..21329, 21426..21476, 21428..21580, 21679..21774, 21680..21775		

Seq. No.	25317	Seq. ID	OJ990914_14.9B01.C10
Gene No.	52492	Strand	-
Start	20404	End	21935
Name	OJ990914_14.9B01.C10.o2.gp	Method	AAT/GAP
Start	21489	End	21935
GI	none	Score	636
Exons	21489..21582, 21678..21935		

Seq. No.	25318	Seq. ID	OJ990914_14.9B01.C11
Gene No.	52493	Strand	+
Start	1883	End	2028
Name	OJ990914_14.9B01.C11.o1.gs	Method	GENSCAN
Start	1883	End	2028
GI	none	Score	.82
Exons	1883..2028		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52494	Strand	+
Start	676	End	4074
Name	OJ990914_14.9B01.C12.o1.gs	Method	GENSCAN
Start	676	End	4074
GI	none	Score	.66
Exons	676..750, 1149..1258, 2939..3012, 3729..3767, 4010..4074		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52495	Strand	+
Start	9257	End	11250
Name	OJ990914_14.9B01.C12.o3.gs	Method	GENSCAN
Start	9257	End	10320

GI	none	Score	.61
Exons	9257..9379, 10024..10320		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52495	Strand	+
Start	9257	End	11250
Name	OJ990914_14.9B01.C12.o2.np	Method	AAT/NAP
Start	9746	End	11250
GI	6006367	Score	56
Exons	9746..9886, 11219..11250		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52496	Strand	+
Start	11717	End	17082
Name	OJ990914_14.9B01.C12.o4.gs	Method	GENSCAN
Start	11717	End	17082
GI	none	Score	.49
Exons	11717..11845, 11881..11980, 13317..13337, 13772..14150, 14261..14359, 14961..15440, 16112..16208, 16843..17082		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52497	Strand	-
Start	4273	End	6628
Name	OJ990914_14.9B01.C12.o1.np	Method	AAT/NAP
Start	4273	End	6628
GI	4262226	Score	202
Exons	4273..4320, 6082..6340, 6371..6628		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52498	Strand	-
Start	14811	End	15148
Name	OJ990914_14.9B01.C12.o1.gp	Method	AAT/GAP
Start	14811	End	15148
GI	3768970	Score	596
Exons	14811..15148		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52499	Strand	-
Start	15477	End	15749
Name	OJ990914_14.9B01.C12.o2.gp	Method	AAT/GAP
Start	15477	End	15749
GI	568625	Score	490
Exons	15477..15749		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52500	Strand	-
Start	18140	End	18301
Name	OJ990914_14.9B01.C12.o1.ts	Method	TBLASTX:Soybean
Start	6017	End	6640
GI	none	Score	97
Exons	6017..6070, 6197..6232, 6353..6466, 6374..6469, 6417..6476, 6485..6640, 6492..6638		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52500	Strand	-

Start	18140	End	18301
Name	OJ990914_14.9B01.C12.o1.tm	Method	TBLASTX:Maize
Start	6044	End	6640
GI	none	Score	83
Exons	6044..6070, 6197..6307, 6374..6478, 6374..6466, 6488..6640, 6558..6635		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52500	Strand	-
Start	18140	End	18301
Name	OJ990914_14.9B01.C12.o1.tc	Method	TBLASTX:Cress
Start	6377	End	6640
GI	none	Score	115
Exons	6377..6631, 6377..6640, 6540..6638		

Seq. No.	25319	Seq. ID	OJ990914_14.9B01.C12
Gene No.	52500	Strand	-
Start	18140	End	18301
Name	OJ990914_14.9B01.C12.o5.gs	Method	GENSCAN
Start	18140	End	18301
GI	none	Score	.83
Exons	18140..18301		

Seq. No.	25320	Seq. ID	OJ990914_14.9B01.C13
Gene No.	52501	Strand	+
Start	5992	End	6142
Name	OJ990914_14.9B01.C13.o1.gp	Method	AAT/GAP
Start	5992	End	6142
GI	286806	Score	244
Exons	5992..6142		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	25320	Seq. ID	OJ990914_14.9B01.C13
Gene No.	52502	Strand	-
Start	135	End	1485
Name	OJ990914_14.9B01.C13.o1.np	Method	AAT/NAP
Start	135	End	1485
GI	6907088	Score	840
Exons	135..534, 935..1172, 1348..1485		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25321	Seq. ID	OJ990914_14.9B01.C14
Gene No.	52503	Strand	+
Start	47	End	2690
Name	OJ990914_14.9B01.C14.o1.gs	Method	GENSCAN
Start	47	End	2683
GI	none	Score	.85
Exons	47..159, 208..622, 713..962, 1086..1251, 1635..1737, 2409..2683		

Seq. No.	25321	Seq. ID	OJ990914_14.9B01.C14
Gene No.	52503	Strand	+
Start	47	End	2690
Name	OJ990914_14.9B01.C14.o1.ts	Method	TBLASTX:Soybean
Start	718	End	1165
GI	none	Score	352
Exons	718..963, 719..964, 1085..1165		

Seq. No.	25321	Seq. ID	OJ990914_14.9B01.C14
Gene No.	52503	Strand	+
Start	47	End	2690
Name	OJ990914_14.9B01.C14.o1.tc	Method	TBLASTX:Cress
Start	1142	End	1934
GI	none	Score	100
Exons	1142..1252, 1638..1736, 1639..1737, 1832..1933, 1833..1934		

Seq. No.	25321	Seq. ID	OJ990914_14.9B01.C14
Gene No.	52503	Strand	+
Start	47	End	2690
Name	OJ990914_14.9B01.C14.o3.ts	Method	TBLASTX:Soybean
Start	1166	End	2207
GI	none	Score	90
Exons	1166..1252, 1189..1254, 1632..1736, 1633..1737, 1633..1737, 1832..1930, 1833..1943, 1844..1933, 1846..1938, 2119..2205, 2121..2207, 2121..2204		

Seq. No.	25321	Seq. ID	OJ990914_14.9B01.C14
Gene No.	52503	Strand	+
Start	47	End	2690
Name	OJ990914_14.9B01.C14.o2.ts	Method	TBLASTX:Soybean
Start	2517	End	2690
GI	none	Score	257
Exons	2517..2690, 2519..2686, 2520..2687		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52504	Strand	+
Start	220	End	13964
Name	OJ990914_14.9B01.C15.o1.gs	Method	GENSCAN
Start	220	End	10577
GI	none	Score	.69
Exons	220..492, 1192..1430, 2048..2260, 2356..2433, 6161..6210, 9096..9476, 9719..10010, 10129..10577		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52504	Strand	+
Start	220	End	13964
Name	OJ990914_14.9B01.C15.o2.np	Method	AAT/NAP
Start	9204	End	13964
GI	6524189	Score	1089
Exons	9204..9608, 9719..9910, 10089..10293, 10324..10532, 11200..11250, 11592..11657, 11789..11918, 12024..12164, 12387..12643, 12734..12838, 12922..12966, 13055..13207, 13293..13574, 13656..13792, 13877..13964		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52504	Strand	+
Start	220	End	13964
Name	OJ990914_14.9B01.C15.o1.gp	Method	AAT/GAP
Start	10458	End	12182
GI	702430	Score	762
Exons	10458..10528, 11196..11244, 11583..11657, 11789..11918, 12024..12182		
GI Descrip.	5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains		

similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52504	Strand	+
Start	220	End	13964
Name	OJ990914_14.9B01.C15.o2.gs	Method	GENSCAN
Start	11182	End	13607
GI	none	Score	.63
Exons	11182..11244, 11583..11657, 11789..11914, 12400..12672, 12707..12838, 12922..12966, 13055..13207, 13293..13607		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52504	Strand	+
Start	220	End	13964
Name	OJ990914_14.9B01.C15.o2.gp	Method	AAT/GAP
Start	12569	End	13755
GI	23441_1.R1084	Score	1400
Exons	12569..12643, 12734..12838, 12922..12966, 13055..13207, 13293..13574, 13656..13755		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52505	Strand	-
Start	13	End	663
Name	OJ990914_14.9B01.C15.o1.np	Method	AAT/NAP
Start	13	End	663
GI	6069646	Score	244
Exons	13..663		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o4.tm	Method	TBLASTX:Maize
Start	135	End	606
GI	none	Score	76
Exons	135..251, 255..455, 297..449, 532..606		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o3.tm	Method	TBLASTX:Maize
Start	10125	End	10490
GI	none	Score	135
Exons	10125..10229, 10308..10490, 10313..10486		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-

Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o5.tm	Method	TBLASTX:Maize
Start	11580	End	11938
GI	none	Score	113
Exons	11580..11687, 11581..11658, 11582..11659, 11761..11925, 11777..11938, 11815..11919		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o1.tm	Method	TBLASTX:Maize
Start	12021	End	14244
GI	none	Score	38
Exons	12021..12068, 12043..12144, 12044..12139, 12371..12472, 12394..12498, 12397..12498, 12398..12502, 12486..12635, 12501..12635, 12515..12637, 12517..12645, 12518..12646, 12725..12853, 12733..12861, 12919..12975, 12921..12965, 13052..13207, 13054..13227, 13088..13231, 13262..13573, 13287..13589, 13290..13577, 13292..13579, 13654..13788, 13656..13793, 13656..13793, 13729..13794, 13874..13975, 13875..13964, 13879..13965, 13985..14077, 14011..14073, 14118..14138, 14200..14244		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o3.tc	Method	TBLASTX:Cress
Start	12394	End	12604
GI	none	Score	243
Exons	12394..12603, 12398..12604		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o2.tc	Method	TBLASTX:Cress
Start	12745	End	13364
GI	none	Score	130
Exons	12745..12861, 12746..12853, 12919..12975, 12919..12975, 13052..13207, 13054..13227, 13329..13364, 13340..13363		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o1.tw	Method	TBLASTX:Wheat
Start	13051	End	13496
GI	none	Score	110
Exons	13051..13206, 13092..13199, 13094..13207, 13096..13206, 13284..13316, 13287..13316, 13313..13495, 13314..13496		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o1.ts	Method	TBLASTX:Soybean
Start	13349	End	13982
GI	none	Score	260
Exons	13349..13576, 13353..13589, 13656..13793, 13683..13793, 13852..13941, 13874..13966, 13875..13982		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o1.tc	Method	TBLASTX:Cress
Start	13460	End	13961
GI	none	Score	180
Exons	13460..13585, 13461..13589, 13659..13793, 13769..13810, 13874..13960, 13875..13961		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o4.gp	Method	AAT/GAP
Start	14407	End	15425
GI	22066_1.R1084	Score	1196
Exons	14407..15113, 15371..15425		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o3.gp	Method	AAT/GAP
Start	14412	End	15115
GI	22066_1.R1084	Score	1113
Exons	14412..15115		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o2.tm	Method	TBLASTX:Maize
Start	14560	End	14963
GI	none	Score	462
Exons	14560..14949, 14588..14962, 14589..14963		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o3.gs	Method	GENSCAN
Start	14582	End	15113
GI	none	Score	.47
Exons	14582..14811, 14941..15113		

Seq. No.	25322	Seq. ID	OJ990914_14.9B01.C15
Gene No.	52506	Strand	-
Start	14582	End	15425
Name	OJ990914_14.9B01.C15.o6.tm	Method	TBLASTX:Maize
Start	14963	End	15424
GI	none	Score	232
Exons	14963..15115, 14964..15116, 14970..15128, 15370..15423, 15371..15424		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52507	Strand	+

Start	4104	End	4887
Name	OJ990914_10.9B08.C1.o2.gs	Method	GENSCAN
Start	4104	End	4887
GI	none	Score	.47
Exons	4104..4189, 4329..4593, 4639..4887		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52508	Strand	+
Start	5524	End	6123
Name	OJ990914_10.9B08.C1.o3.gs	Method	GENSCAN
Start	5524	End	6123
GI	none	Score	.49
Exons	5524..5631, 5887..6123		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52509	Strand	-
Start	1	End	2999
Name	OJ990914_10.9B08.C1.o1.np	Method	AAT/NAP
Start	1	End	2706
GI	3128180	Score	440
Exons	1..19, 612..685, 887..1000, 1484..1549, 1652..1717, 2279..2320, 2498..2563, 2656..2706		
GI Descrip.	(AC004521) citrate synthase [Arabidopsis thaliana]		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52509	Strand	-
Start	1	End	2999
Name	OJ990914_10.9B08.C1.o1.gs	Method	GENSCAN
Start	622	End	2706
GI	none	Score	.57
Exons	622..685, 887..1000, 1484..1549, 2279..2320, 2498..2560, 2656..2706		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52509	Strand	-
Start	1	End	2999
Name	OJ990914_10.9B08.C1.o1.gp	Method	AAT/GAP
Start	1684	End	2999
GI	uC-osf1M202097g08b1	Score	644
Exons	1684..1717, 2279..2320, 2498..2560, 2656..2726, 2844..2999		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52510	Strand	-
Start	3347	End	5708
Name	OJ990914_10.9B08.C1.o2.np	Method	AAT/NAP
Start	3347	End	5708
GI	5922634	Score	127
Exons	3347..3385, 5584..5708		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52511	Strand	-
Start	6207	End	6995

Name	OJ990914_10.9B08.C1.o1.tm	Method	TBLASTX:Maize
Start	612	End	2719
GI	none	Score	95
Exons	612..686, 619..687, 623..688, 624..686, 646..705, 885..1001, 885..1001, 886..1002, 941..1003, 1483..1551, 1484..1549, 1649..1720, 1650..1721, 2108..2179, 2271..2321, 2279..2320, 2496..2609, 2498..2560, 2656..2715, 2656..2709, 2657..2719		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52511	Strand	-
Start	6207	End	6995
Name	OJ990914_10.9B08.C1.o1.tc	Method	TBLASTX:Cress
Start	885	End	2706
GI	none	Score	50
Exons	885..917, 933..974, 944..976, 975..1001, 977..1003, 1483..1551, 1484..1549, 1649..1720, 1650..1721, 2271..2321, 2279..2320, 2498..2557, 2626..2706		

Seq. No.	25323	Seq. ID	OJ990914_10.9B08.C1
Gene No.	52511	Strand	-
Start	6207	End	6995
Name	OJ990914_10.9B08.C1.o4.gs	Method	GENSCAN
Start	6207	End	6995
GI	none	Score	.89
Exons	6207..6995		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52512	Strand	-
Start	1	End	575
Name	OJ990914_10.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	530
GI	4512689	Score	76
Exons	1..44, 369..530		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52512	Strand	-
Start	1	End	575
Name	OJ990914_10.9B08.C2.o1.gs	Method	GENSCAN
Start	10	End	575
GI	none	Score	.76
Exons	10..575		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52512	Strand	-
Start	1	End	575
Name	OJ990914_10.9B08.C2.o2.np	Method	AAT/NAP
Start	423	End	554
GI	5733869	Score	65
Exons	423..554		
GI Descrip.	(AC007932) Contains PF|00646 F-box domain. [Arabidopsis thaliana]		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52513	Strand	-
Start	2115	End	7258
Name	OJ990914_10.9B08.C2.o3.np	Method	AAT/NAP

Start	2115	End	7258
GI	2244765	Score	78
Exons	2115..2143, 3321..3528, 3751..3872, 4007..4194, 5387..5521, 7228..7258		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52514	Strand	-
Start	7162	End	12449
Name	OJ990914_10.9B08.C2.o3.gs	Method	GENSCAN
Start	7162	End	12449
GI	none	Score	.42
Exons	7162..9189, 9430..9648, 10679..10771, 11692..11773, 12427..12449		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52514	Strand	-
Start	7162	End	12449
Name	OJ990914_10.9B08.C2.o4.np	Method	AAT/NAP
Start	8674	End	9174
GI	6017113	Score	65
Exons	8674..8851, 9097..9174		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52514	Strand	-
Start	7162	End	12449
Name	OJ990914_10.9B08.C2.o1.tw	Method	TBLASTX:Wheat
Start	8898	End	9120
GI	none	Score	135
Exons	8898..9002, 8899..9000, 8989..9120, 9088..9120		

Seq. No.	25324	Seq. ID	OJ990914_10.9B08.C2
Gene No.	52514	Strand	-
Start	7162	End	12449
Name	OJ990914_10.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	9428	End	9630
GI	none	Score	57
Exons	9428..9460, 9437..9523, 9472..9522, 9524..9628, 9526..9630		

Seq. No.	25325	Seq. ID	OJ990914_10.9B08.C3
Gene No.	52515	Strand	+
Start	2285	End	2770
Name	OJ990914_10.9B08.C3.o2.gs	Method	GENSCAN
Start	2285	End	2770
GI	none	Score	.98
Exons	2285..2770		

Seq. No.	25325	Seq. ID	OJ990914_10.9B08.C3
Gene No.	52516	Strand	-
Start	219	End	3450
Name	OJ990914_10.9B08.C3.o1.gs	Method	GENSCAN
Start	219	End	2086
GI	none	Score	.91
Exons	219..678, 726..2086		

Seq. No.	25325	Seq. ID	OJ990914_10.9B08.C3
Gene No.	52516	Strand	-

Start	219	End	3450
Name	OJ990914_10.9B08.C3.o2.np	Method	AAT/NAP
Start	1899	End	3450
GI	2244765	Score	63
Exons	1899..2050, 3385..3450		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25325	Seq. ID	OJ990914_10.9B08.C3
Gene No.	52516	Strand	-
Start	219	End	3450
Name	OJ990914_10.9B08.C3.o3.gs	Method	GENSCAN
Start	3004	End	3405
GI	none	Score	1
Exons	3004..3405		

Seq. No.	25326	Seq. ID	OJ990914_10.9B08.C4
Gene No.	52517	Strand	+
Start	13345	End	13756
Name	OJ990914_10.9B08.C4.o3.gs	Method	GENSCAN
Start	13345	End	13756
GI	none	Score	.82
Exons	13345..13456, 13668..13756		

Seq. No.	25326	Seq. ID	OJ990914_10.9B08.C4
Gene No.	52518	Strand	-
Start	8212	End	8513
Name	OJ990914_10.9B08.C4.o1.np	Method	AAT/NAP
Start	8212	End	8513
GI	6539588	Score	310
Exons	8212..8513		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25326	Seq. ID	OJ990914_10.9B08.C4
Gene No.	52519	Strand	-
Start	14791	End	15848
Name	OJ990914_10.9B08.C4.o4.gs	Method	GENSCAN
Start	14791	End	15848
GI	none	Score	.81
Exons	14791..14970, 15819..15848		

Seq. No.	25327	Seq. ID	OJ990914_10.9B08.C5
Gene No.	52520	Strand	+
Start	575	End	733
Name	OJ990914_10.9B08.C5.o1.gs	Method	GENSCAN
Start	575	End	733
GI	none	Score	.78
Exons	575..733		

Seq. No.	25328	Seq. ID	OJ990914_10.9B08.C9
Gene No.	52521	Strand	-
Start	252	End	599
Name	OJ990914_10.9B08.C9.o1.tm	Method	TBLASTX:Maize
Start	246	End	584
GI	none	Score	122
Exons	246..389, 247..390, 247..396, 272..397, 478..582, 480..584, 481..582, 483..584		

Seq. No.	25328	Seq. ID	OJ990914_10.9B08.C9
Gene No.	52521	Strand	-
Start	252	End	599
Name	OJ990914_10.9B08.C9.o1.gs	Method	GENSCAN
Start	252	End	599
GI	none	Score	.85
Exons	252..396, 483..599		

Seq. No.	25329	Seq. ID	OJ990914_10.9B08.C10
Gene No.	52522	Strand	+
Start	3889	End	4284
Name	OJ990914_10.9B08.C10.o2.gs	Method	GENSCAN
Start	3889	End	4284
GI	none	Score	.96
Exons	3889..4208, 4266..4284		

Seq. No.	25329	Seq. ID	OJ990914_10.9B08.C10
Gene No.	52523	Strand	-
Start	1379	End	2557
Name	OJ990914_10.9B08.C10.o1.gs	Method	GENSCAN
Start	1379	End	2557
GI	none	Score	.42
Exons	1379..1531, 2082..2208, 2484..2557		

Seq. No.	25329	Seq. ID	OJ990914_10.9B08.C10
Gene No.	52524	Strand	-
Start	3889	End	4209
Name	OJ990914_10.9B08.C10.o1.np	Method	AAT/NAP
Start	3889	End	4070
GI	5306245	Score	58
Exons	3889..4070		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	25329	Seq. ID	OJ990914_10.9B08.C10
Gene No.	52524	Strand	-
Start	3889	End	4209
Name	OJ990914_10.9B08.C10.o1.tm	Method	TBLASTX:Maize
Start	3904	End	4209
GI	none	Score	76
Exons	3904..4014, 3918..4013, 4087..4209, 4089..4208		

Seq. No.	25330	Seq. ID	OJ990914_10.9B08.C11
Gene No.	52525	Strand	+
Start	856	End	1129
Name	OJ990914_10.9B08.C11.o1.gs	Method	GENSCAN
Start	856	End	1129
GI	none	Score	.73
Exons	856..930, 992..1129		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52526	Strand	+
Start	1113	End	1769
Name	OJ990914_10.9B08.C12.o1.np	Method	AAT/NAP
Start	1113	End	1769
GI	4996622	Score	345
Exons	1113..1769		
GI Descrip.	(AB024338) germin-like protein [Atriplex lentiformis]		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52527	Strand	+
Start	4761	End	5231
Name	OJ990914_10.9B08.C12.o1.gp	Method	AAT/GAP
Start	4761	End	5231
GI	none	Score	894
Exons	4761..5231		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52528	Strand	+
Start	9422	End	9904
Name	OJ990914_10.9B08.C12.o3.gp	Method	AAT/GAP
Start	9422	End	9904
GI	50129_1.R1084	Score	900
Exons	9422..9904		
GI Descrip.	'3242789 4.0e-48 (AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]'		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.tm	Method	TBLASTX:Maize
Start	9	End	681
GI	none	Score	643
Exons	9..467, 10..501, 457..504, 459..515, 463..501, 580..645, 584..634, 585..638, 586..645, 634..681, 638..679		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o3.ts	Method	TBLASTX:Soybean
Start	10	End	182
GI	none	Score	206
Exons	10..180, 15..182		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o4.ts	Method	TBLASTX:Soybean
Start	184	End	408
GI	none	Score	201
Exons	184..408, 186..386		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o3.tc	Method	TBLASTX:Cress
Start	186	End	396
GI	none	Score	80
Exons	186..248, 187..246, 253..396, 261..386		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.ts	Method	TBLASTX:Soybean
Start	1179	End	1715

GI	none	Score	40
Exons	1179..1208, 1242..1715, 1373..1699		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.tc	Method	TBLASTX:Cress
Start	1182	End	1715
GI	none	Score	231
Exons	1182..1505, 1235..1516, 1521..1715, 1526..1675		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o6.tm	Method	TBLASTX:Maize
Start	1269	End	1715
GI	none	Score	294
Exons	1269..1715, 1280..1636		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o4.tw	Method	TBLASTX:Wheat
Start	1370	End	1715
GI	none	Score	68
Exons	1370..1537, 1370..1693, 1377..1715		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.tw	Method	TBLASTX:Wheat
Start	4567	End	9597
GI	none	Score	57
Exons	4567..4590, 9196..9597, 9215..9271, 9473..9586		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o1.tc	Method	TBLASTX:Cress
Start	5065	End	11362
GI	none	Score	95
Exons	5065..5235, 5126..5242, 5126..5236, 6338..6649, 6366..6650, 6716..6856, 6719..6763, 6750..6854, 8195..8245, 8442..8579, 8449..8553, 8800..9066, 8851..9024, 8855..9067, 9155..9271, 9163..9420, 9341..9418, 9400..9918, 9425..9775, 9914..9973, 9925..9954, 10099..10218, 10700..10753, 10885..11028, 10885..11052, 11121..11162, 11123..11164, 11162..11209, 11178..11210, 11225..11362, 11229..11270		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o1.tm	Method	TBLASTX:Maize
Start	5103	End	6842
GI	none	Score	79
Exons	5103..5231, 5110..5232, 5119..5235, 5120..5236, 5120..5236, 6332..6391, 6338..6655, 6366..6668, 6710..6763, 6711..6839,		

6713..6841, 6747..6842

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o1.ts	Method	TBLASTX:Soybean
Start	5122	End	11185
GI	none	Score	84
Exons	5122..5235, 5126..5242, 6338..6649, 6366..6644, 6713..6853, 6750..6860, 8451..8579, 8452..8553, 8466..8555, 8800..9066, 8851..9033, 8855..9067, 9155..9271, 9163..9273, 9316..9924, 9341..9925, 9914..9982, 10096..10218, 10098..10217, 10700..10753, 10885..11028, 11123..11185		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.gs	Method	GENSCAN
Start	5125	End	11338
GI	none	Score	.87
Exons	5125..5234, 5840..5959, 6340..6857, 8163..8242, 8451..8553, 8855..9066, 9163..9981, 10102..10215, 10706..10754, 10886..11042, 11125..11338		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.np	Method	AAT/NAP
Start	5128	End	11385
GI	3242789	Score	2675
Exons	5128..5234, 6340..6857, 8172..8242, 8451..8553, 8855..9066, 9163..9981, 10102..10215, 10706..10754, 10886..11042, 11119..11385		
GI Descrip.	(AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o2.gp	Method	AAT/GAP
Start	6641	End	9411
GI	49626_1.R1084	Score	1605
Exons	6641..6857, 8163..8242, 8451..8553, 8855..9066, 9163..9411		
GI Descrip.	'3242789 1.0e-111 (AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]'		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o3.tm	Method	TBLASTX:Maize
Start	8162	End	9537
GI	none	Score	123
Exons	8162..8245, 8442..8579, 8443..8592, 8800..8985, 8851..8973, 8855..8986, 8998..9066, 9023..9067, 9155..9271, 9163..9537, 9341..9529		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12

Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o1.tw	Method	TBLASTX:Wheat
Start	8469	End	9103
GI	none	Score	131
Exons	8469..8552, 8470..8553, 8800..9066, 8851..9033, 8855..9067, 9077..9103		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o5.tm	Method	TBLASTX:Maize
Start	9541	End	9906
GI	none	Score	196
Exons	9541..9906, 9542..9775, 9634..9804		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o3.tw	Method	TBLASTX:Wheat
Start	9954	End	11162
GI	none	Score	44
Exons	9954..9983, 9956..9982, 10096..10140, 10103..10141, 10104..10139, 10162..10218, 10164..10217, 10667..10753, 10885..11043, 10885..11043, 10886..11044, 11121..11162, 11123..11161		

Seq. No.	25331	Seq. ID	OJ990914_10.9B08.C12
Gene No.	52529	Strand	-
Start	5125	End	11385
Name	OJ990914_10.9B08.C12.o4.tm	Method	TBLASTX:Maize
Start	10700	End	11384
GI	none	Score	223
Exons	10700..10753, 10707..10766, 10885..11043, 10885..11043, 10886..11044, 11121..11273, 11123..11287, 11306..11383, 11334..11384		

Seq. No.	25332	Seq. ID	OJ990914_10.9B08.C13
Gene No.	52530	Strand	+
Start	148	End	1232
Name	OJ990914_10.9B08.C13.o1.gs	Method	GENSCAN
Start	148	End	1232
GI	none	Score	.56
Exons	148..377, 933..1006, 1222..1232		

Seq. No.	25332	Seq. ID	OJ990914_10.9B08.C13
Gene No.	52531	Strand	-
Start	1	End	311
Name	OJ990914_10.9B08.C13.o1.gp	Method	AAT/GAP
Start	1	End	311
GI	47305_1.R1084	Score	602
Exons	1..311		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	25332	Seq. ID	OJ990914_10.9B08.C13
Gene No.	52532	Strand	-

Start	1722	End	2119
Name	OJ990914_10.9B08.C13.o2.gs	Method	GENSCAN
Start	1722	End	2119
GI	none	Score	.55
Exons	1722..1820, 2087..2119		

Seq. No.	25333	Seq. ID	OJ990914_10.9B08.C14
Gene No.	52533	Strand	-
Start	929	End	1585
Name	OJ990914_10.9B08.C14.o1.gs	Method	GENSCAN
Start	929	End	1585
GI	none	Score	.6
Exons	929..1045, 1469..1585		

Seq. No.	25334	Seq. ID	OJ990914_10.9B08.C17
Gene No.	52534	Strand	+
Start	23	End	222
Name	OJ990914_10.9B08.C17.o1.gs	Method	GENSCAN
Start	23	End	222
GI	none	Score	.83
Exons	23..222		

Seq. No.	25335	Seq. ID	OJ990914_10.9B08.C18
Gene No.	52535	Strand	-
Start	274	End	4385
Name	OJ990914_10.9B08.C18.o1.np	Method	AAT/NAP
Start	274	End	3932
GI	5441880	Score	3275
Exons	274..508, 624..755, 1002..1099, 1344..1602, 1679..1977, 2563..3932		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25335	Seq. ID	OJ990914_10.9B08.C18
Gene No.	52535	Strand	-
Start	274	End	4385
Name	OJ990914_10.9B08.C18.o1.gs	Method	GENSCAN
Start	306	End	4385
GI	none	Score	.45
Exons	306..508, 513..560, 624..661, 671..755, 856..911, 1069..1251, 1344..1602, 1679..1755, 2074..2478, 2563..2754, 2950..3029, 3111..3281, 3464..4385		

Seq. No.	25335	Seq. ID	OJ990914_10.9B08.C18
Gene No.	52535	Strand	-
Start	274	End	4385
Name	OJ990914_10.9B08.C18.o1.gp	Method	AAT/GAP
Start	1352	End	1851
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	1352..1602, 1679..1851		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	25335	Seq. ID	OJ990914_10.9B08.C18
Gene No.	52535	Strand	-

Start	274	End	4385
Name	OJ990914_10.9B08.C18.o2.gp	Method	AAT/GAP
Start	2898	End	3329
GI	5701669	Score	793
Exons	2898..3329		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25335	Seq. ID	OJ990914_10.9B08.C18
Gene No.	52535	Strand	-
Start	274	End	4385
Name	OJ990914_10.9B08.C18.o1.tm	Method	TBLASTX:Maize
Start	2923	End	3372
GI	none	Score	149
Exons	2923..3210, 2987..3193, 3244..3372, 3266..3364		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52536	Strand	+
Start	189	End	4189
Name	OJ990914_10.9B08.C19.o1.gs	Method	GENSCAN
Start	189	End	4189
GI	none	Score	.76
Exons	189..270, 2202..2440, 2845..3024, 3145..3188, 3333..3505, 4111..4189		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52537	Strand	+
Start	5142	End	6262
Name	OJ990914_10.9B08.C19.o1.gp	Method	AAT/GAP
Start	4568	End	4995
GI	94945_1.R1084	Score	661
Exons	4568..4995		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52537	Strand	+
Start	5142	End	6262
Name	OJ990914_10.9B08.C19.o2.gs	Method	GENSCAN
Start	5142	End	6262
GI	none	Score	.51
Exons	5142..5250, 6198..6262		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52538	Strand	+
Start	8859	End	9513
Name	OJ990914_10.9B08.C19.o4.gs	Method	GENSCAN
Start	8859	End	9513
GI	none	Score	.92
Exons	8859..9173, 9255..9391, 9438..9513		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52539	Strand	+
Start	13079	End	14648
Name	OJ990914_10.9B08.C19.o7.gs	Method	GENSCAN
Start	13079	End	14648

GI	none	Score	.59
Exons	13079..13091, 13963..14648		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52540	Strand	-
Start	6854	End	8633
Name	OJ990914_10.9B08.C19.o3.gs	Method	GENSCAN
Start	6854	End	8132
GI	none	Score	.57
Exons	6854..6933, 7353..7511, 8108..8132		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52540	Strand	-
Start	6854	End	8633
Name	OJ990914_10.9B08.C19.o1.np	Method	AAT/NAP
Start	7208	End	8633
GI	5852084	Score	78
Exons	7208..7403, 8558..8633		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52541	Strand	-
Start	8628	End	11687
Name	OJ990914_10.9B08.C19.o2.gp	Method	AAT/GAP
Start	8628	End	11687
GI	19926_1.R1084	Score	2373
Exons	8628..9351, 11086..11279, 11375..11687		
GI Descrip.	'1885310/emb|CAA62847| 1.0e-155 (X91659) Endoxyloglucan transferase (EXT) [Hordeum vulgare]'		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52541	Strand	-
Start	8628	End	11687
Name	OJ990914_10.9B08.C19.o2.np	Method	AAT/NAP
Start	8955	End	11665
GI	1885310	Score	1379
Exons	8955..9351, 11086..11279, 11375..11665		
GI Descrip.	(X91659) Endoxyloglucan transferase (EXT) [Hordeum vulgare]		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52541	Strand	-
Start	8628	End	11687
Name	OJ990914_10.9B08.C19.o5.gs	Method	GENSCAN
Start	10175	End	10405
GI	none	Score	.82
Exons	10175..10405		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52541	Strand	-
Start	8628	End	11687
Name	OJ990914_10.9B08.C19.o6.gs	Method	GENSCAN
Start	10965	End	11668
GI	none	Score	.82
Exons	10965..11267, 11375..11668		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52542	Strand	-

Start	13958	End	16954
Name	OJ990914_10.9B08.C19.o3.np	Method	AAT/NAP
Start	13958	End	16954
GI	6016874	Score	70
Exons	13958..14103, 14313..14517, 16815..16954		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52543	Strand	-
Start	18256	End	18336
Name	OJ990914_10.9B08.C19.o1.ts	Method	TBLASTX:Soybean
Start	8926	End	11602
GI	none	Score	344
Exons	8926..9345, 8958..9350, 9230..9349, 9267..9350, 9299..9403, 11082..11279, 11128..11286, 11372..11602, 11376..11486		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52543	Strand	-
Start	18256	End	18336
Name	OJ990914_10.9B08.C19.o1.tc	Method	TBLASTX:Cress
Start	8952	End	11602
GI	none	Score	51
Exons	8952..9350, 8956..9045, 9097..9351, 9202..9354, 11082..11279, 11101..11277, 11372..11602, 11376..11594		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52543	Strand	-
Start	18256	End	18336
Name	OJ990914_10.9B08.C19.o1.tm	Method	TBLASTX:Maize
Start	8952	End	11684
GI	none	Score	43
Exons	8952..8987, 8952..8990, 8979..9311, 8980..9312, 9190..9318, 9309..9350, 9312..9365, 11082..11279, 11086..11277, 11327..11602, 11376..11684		

Seq. No.	25336	Seq. ID	OJ990914_10.9B08.C19
Gene No.	52543	Strand	-
Start	18256	End	18336
Name	OJ990914_10.9B08.C19.o8.gs	Method	GENSCAN
Start	18256	End	18336
GI	none	Score	.78
Exons	18256..18336		

Seq. No.	25337	Seq. ID	OJ990914_10.9B08.C20
Gene No.	52544	Strand	-
Start	376	End	435
Name	OJ990914_10.9B08.C20.o1.gp	Method	AAT/GAP
Start	376	End	435
GI	2312838	Score	70
Exons	376..435		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	25338	Seq. ID	OJ990914_10.9B08.C21
Gene No.	52545	Strand	+

Start	38	End	1126
Name	OJ990914_10.9B08.C21.o1.gs	Method	GENSCAN
Start	38	End	1126
GI	none	Score	.7
Exons	38..161, 959..1126		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52546	Strand	+
Start	1	End	5250
Name	OJ990914_10.9B08.C22.o1.gp	Method	AAT/GAP
Start	1	End	643
GI	22228_1.R1084	Score	344
Exons	1..45, 283..390, 477..527, 613..643		
GI Descrip.	'5441892/dbj|BAA82390.1| 4.0e-25 (AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]'		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52546	Strand	+
Start	1	End	5250
Name	OJ990914_10.9B08.C22.o1.np	Method	AAT/NAP
Start	1	End	1035
GI	5441892	Score	572
Exons	1..45, 283..390, 477..527, 613..686, 806..857, 943..1035		
GI Descrip.	(AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52546	Strand	+
Start	1	End	5250
Name	OJ990914_10.9B08.C22.o1.gs	Method	GENSCAN
Start	283	End	5250
GI	none	Score	.7
Exons	283..390, 477..527, 613..686, 2414..4200, 5168..5250		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52546	Strand	+
Start	1	End	5250
Name	OJ990914_10.9B08.C22.o2.gp	Method	AAT/GAP
Start	643	End	1396
GI	3758955	Score	1014
Exons	643..686, 806..857, 943..1396		
GI Descrip.	5441892/dbj|BAA82390.1| 4.0e-25 (AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52547	Strand	-
Start	6005	End	6836
Name	OJ990914_10.9B08.C22.o1.tm	Method	TBLASTX:Maize
Start	280	End	1053
GI	none	Score	131
Exons	280..393, 281..391, 283..396, 475..528, 476..532, 477..530, 610..690, 612..689, 804..860, 806..853, 936..1043, 940..1053,		

942..1040

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52547	Strand	-
Start	6005	End	6836
Name	OJ990914_10.9B08.C22.o1.ts	Method	TBLASTX:Soybean
Start	280	End	1011
GI	none	Score	113
Exons	280..393, 281..391, 282..392, 283..396, 476..532, 477..530, 610..690, 610..666, 612..683, 807..860, 809..850, 940..1011, 942..1010		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52547	Strand	-
Start	6005	End	6836
Name	OJ990914_10.9B08.C22.o1.tc	Method	TBLASTX:Cress
Start	283	End	1035
GI	none	Score	184
Exons	283..396, 309..392, 476..529, 477..530, 609..689, 610..690, 803..853, 804..860, 936..1025, 940..1035, 942..1028		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52547	Strand	-
Start	6005	End	6836
Name	OJ990914_10.9B08.C22.o2.gs	Method	GENSCAN
Start	6005	End	6821
GI	none	Score	.83
Exons	6005..6484, 6570..6654, 6673..6821		

Seq. No.	25339	Seq. ID	OJ990914_10.9B08.C22
Gene No.	52547	Strand	-
Start	6005	End	6836
Name	OJ990914_10.9B08.C22.o2.tm	Method	TBLASTX:Maize
Start	6443	End	6836
GI	none	Score	227
Exons	6443..6484, 6570..6836		

Seq. No.	25340	Seq. ID	OJ990914_12.9B05.C1
Gene No.	52548	Strand	+
Start	842	End	1119
Name	OJ990914_12.9B05.C1.o1.gs	Method	GENSCAN
Start	842	End	1119
GI	none	Score	.63
Exons	842..992, 1078..1119		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52549	Strand	+
Start	11301	End	16085
Name	OJ990914_12.9B05.C6.o4.gs	Method	GENSCAN
Start	11301	End	16085
GI	none	Score	.6
Exons	11301..11422, 12601..12622, 12970..13156, 15847..16085		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52550	Strand	-
Start	1	End	471
Name	OJ990914_12.9B05.C6.o1.np	Method	AAT/NAP

Start	1	End	471
GI	6689616	Score	289
Exons	1..195, 306..471		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52550	Strand	-
Start	1	End	471
Name	OJ990914_12.9B05.C6.o1.gp	Method	AAT/GAP
Start	24	End	448
GI	2431531	Score	435
Exons	24..195, 306..448		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52550	Strand	-
Start	1	End	471
Name	OJ990914_12.9B05.C6.o1.gs	Method	GENSCAN
Start	143	End	471
GI	none	Score	.89
Exons	143..195, 306..471		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52551	Strand	-
Start	2303	End	17151
Name	OJ990914_12.9B05.C6.o2.gs	Method	GENSCAN
Start	2303	End	6483
GI	none	Score	.66
Exons	2303..2370, 3029..3049, 3939..4016, 4055..4191, 4725..4851, 6118..6218, 6298..6369, 6449..6483		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52551	Strand	-
Start	2303	End	17151
Name	OJ990914_12.9B05.C6.o2.np	Method	AAT/NAP
Start	3676	End	17127
GI	6689616	Score	438
Exons	3676..3827, 4273..4400, 4740..5061, 8230..8294, 8702..8881, 15227..15258, 16445..16858, 16962..17127		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52551	Strand	-
Start	2303	End	17151
Name	OJ990914_12.9B05.C6.o3.gs	Method	GENSCAN
Start	8610	End	9386
GI	none	Score	.63
Exons	8610..9118, 9221..9386		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52551	Strand	-
Start	2303	End	17151
Name	OJ990914_12.9B05.C6.o2.gp	Method	AAT/GAP
Start	8704	End	9450
GI	25600_5.R1084	Score	676
Exons	8704..8878, 8901..9118, 9221..9450		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52551	Strand	-
Start	2303	End	17151
Name	OJ990914_12.9B05.C6.o5.gs	Method	GENSCAN
Start	16350	End	17151
GI	none	Score	.89
Exons	16350..16858, 16962..17151		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52551	Strand	-
Start	2303	End	17151
Name	OJ990914_12.9B05.C6.o3.gp	Method	AAT/GAP
Start	16687	End	17111
GI	2431531	Score	412
Exons	16687..16858, 16962..17111		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52552	Strand	-
Start	20242	End	23265
Name	OJ990914_12.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	17073
GI	none	Score	93
Exons	2..73, 3..74, 89..196, 90..197, 304..444, 304..366, 8787..8831, 8854..8880, 8893..8997, 8904..8996, 9012..9119, 9013..9120, 9204..9281, 9220..9273, 16527..16571, 16644..16736, 16645..16737, 16752..16859, 16753..16860, 16948..17022, 16960..17073		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52552	Strand	-
Start	20242	End	23265
Name	OJ990914_12.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	2	End	17049
GI	none	Score	67
Exons	2..73, 3..74, 89..190, 90..188, 304..366, 8892..8996, 8896..8997, 9012..9113, 9013..9111, 9219..9281, 9220..9273, 16635..16736, 16636..16737, 16752..16853, 16753..16851, 16960..17049, 16960..17022		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52552	Strand	-
Start	20242	End	23265
Name	OJ990914_12.9B05.C6.o4.gp	Method	AAT/GAP
Start	19497	End	19663
GI	6756_1.R1084	Score	240
Exons	19497..19663		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 2.0e-24 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	25341	Seq. ID	OJ990914_12.9B05.C6
Gene No.	52552	Strand	-
Start	20242	End	23265
Name	OJ990914_12.9B05.C6.o6.gs	Method	GENSCAN
Start	20242	End	23265
GI	none	Score	.69

Exons	20242..20436, 20906..21034, 21140..21502, 21818..21918, 21999..22134, 23072..23265		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52553	Strand	+
Start	3453	End	6250
Name	OJ990914_12.9B05.C7.o2.gs	Method	GENSCAN
Start	3453	End	6250
GI	none	Score	.55
Exons	3453..3506, 3860..3924, 5017..5119, 6131..6250		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52554	Strand	-
Start	2058	End	2342
Name	OJ990914_12.9B05.C7.o1.gs	Method	GENSCAN
Start	2058	End	2342
GI	none	Score	.98
Exons	2058..2342		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52555	Strand	-
Start	4668	End	7643
Name	OJ990914_12.9B05.C7.o1.np	Method	AAT/NAP
Start	4668	End	7563
GI	6689616	Score	285
Exons	4668..4720, 6933..7295, 7392..7563		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52555	Strand	-
Start	4668	End	7643
Name	OJ990914_12.9B05.C7.o3.gs	Method	GENSCAN
Start	6847	End	7563
GI	none	Score	.93
Exons	6847..7295, 7392..7563		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52555	Strand	-
Start	4668	End	7643
Name	OJ990914_12.9B05.C7.o2.gp	Method	AAT/GAP
Start	6989	End	7643
GI	25600_5.R1084	Score	520
Exons	6989..7295, 7392..7643		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52555	Strand	-
Start	4668	End	7643
Name	OJ990914_12.9B05.C7.o1.gp	Method	AAT/GAP
Start	7124	End	7548
GI	2431531	Score	500
Exons	7124..7295, 7392..7548		
Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52556	Strand	-
Start	8801	End	8902

Name	OJ990914_12.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	6985	End	7464
GI	none	Score	37
Exons	6985..7014, 6989..7015, 7031..7057, 7081..7173, 7097..7174, 7189..7296, 7190..7297, 7381..7443, 7390..7464		

Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52556	Strand	-
Start	8801	End	8902
Name	OJ990914_12.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	7072	End	7461
GI	none	Score	86
Exons	7072..7173, 7073..7174, 7189..7290, 7190..7288, 7373..7444, 7390..7461, 7390..7443		

Seq. No.	25342	Seq. ID	OJ990914_12.9B05.C7
Gene No.	52556	Strand	-
Start	8801	End	8902
Name	OJ990914_12.9B05.C7.o3.gp	Method	AAT/GAP
Start	8801	End	8902
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	8801..8902		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52557	Strand	+
Start	552	End	692
Name	OJ990914_12.9B05.C8.o1.gs	Method	GENSCAN
Start	552	End	692
GI	none	Score	.45
Exons	552..692		

Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52558	Strand	+
Start	3301	End	10091
Name	OJ990914_12.9B05.C8.o1.gp	Method	AAT/GAP
Start	3271	End	3747
GI	2431531	Score	625
Exons	3271..3472, 3576..3747		

Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52558	Strand	+
Start	3301	End	10091
Name	OJ990914_12.9B05.C8.o1.np	Method	AAT/NAP
Start	3301	End	6226
GI	6689616	Score	316
Exons	3301..3472, 3576..3950, 5445..5536, 6201..6226		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52558	Strand	+
Start	3301	End	10091
Name	OJ990914_12.9B05.C8.o2.gs	Method	GENSCAN
Start	3301	End	7098
GI	none	Score	.69

Exons	3301..3472, 3576..3962, 4895..5019, 5209..5385, 5841..5963, 7009..7098		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52558	Strand	+
Start	3301	End	10091
Name	OJ990914_12.9B05.C8.o2.np	Method	AAT/NAP
Start	4655	End	10091
GI	6714394	Score	208
Exons	4655..4775, 7824..8117, 10017..10091		
GI Descrip.	(AC012393) unknown protein [Arabidopsis thaliana]		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52558	Strand	+
Start	3301	End	10091
Name	OJ990914_12.9B05.C8.o3.gs	Method	GENSCAN
Start	7715	End	8223
GI	none	Score	.79
Exons	7715..7879, 7971..8117, 8164..8223		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52559	Strand	-
Start	8772	End	13588
Name	OJ990914_12.9B05.C8.o3.np	Method	AAT/NAP
Start	8772	End	13551
GI	6689616	Score	454
Exons	8772..8803, 11925..12411, 13386..13551		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52559	Strand	-
Start	8772	End	13588
Name	OJ990914_12.9B05.C8.o4.gs	Method	GENSCAN
Start	11966	End	13530
GI	none	Score	.99
Exons	11966..12411, 13386..13530		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52559	Strand	-
Start	8772	End	13588
Name	OJ990914_12.9B05.C8.o2.gp	Method	AAT/GAP
Start	12339	End	13588
GI	570201	Score	472
Exons	12339..12411, 13386..13588		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52560	Strand	-
Start	15668	End	17654
Name	OJ990914_12.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	3420	End	12412
GI	none	Score	135
Exons	3420..3473, 3574..3681, 3575..3682, 3697..3789, 3698..3790, 3814..3840, 3856..3882, 3857..3886, 12099..12242, 12099..12200, 12125..12265, 12254..12379, 12270..12326, 12383..12412, 12388..12411		
Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8

Gene No.	52560	Strand	-
Start	15668	End	17654
Name	OJ990914_12.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	3420	End	13473
GI	none	Score	62
Exons	3420..3473, 3433..3474, 3581..3682, 3583..3681, 3697..3798, 3698..3799, 12161..12220, 12197..12265, 12198..12245, 12254..12370, 12270..12326, 12284..12343, 12383..12406, 13385..13468, 13385..13426, 13417..13473		

Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52560	Strand	-
Start	15668	End	17654
Name	OJ990914_12.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	7797	End	10115
GI	none	Score	82
Exons	7797..7877, 7798..7875, 7965..8114, 7965..8117, 9998..10108, 10010..10108, 10017..10115		

Seq. No.	25343	Seq. ID	OJ990914_12.9B05.C8
Gene No.	52560	Strand	-
Start	15668	End	17654
Name	OJ990914_12.9B05.C8.o5.gs	Method	GENSCAN
Start	15668	End	17654
GI	none	Score	.74
Exons	15668..15844, 16447..16585, 17183..17314, 17635..17654		

Seq. No.	25344	Seq. ID	OJ990914_12.9B05.C9
Gene No.	52561	Strand	+
Start	846	End	3094
Name	OJ990914_12.9B05.C9.o1.gs	Method	GENSCAN
Start	846	End	3094
GI	none	Score	.42
Exons	846..945, 2504..2515, 2961..3094		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52562	Strand	+
Start	175	End	1236
Name	OJ990914_12.9B05.C10.o1.gp	Method	AAT/GAP
Start	175	End	1236
GI	25600_2.R1084	Score	1300
Exons	175..917, 1032..1236		
GI Descrip.	'3402282/emb|CAA04449| 8.0e-12 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52563	Strand	+
Start	4238	End	6679
Name	OJ990914_12.9B05.C10.o3.gp	Method	AAT/GAP
Start	4225	End	5361
GI	25600_4.R1084	Score	1877
Exons	4225..4391, 4540..5361		
GI Descrip.	'3402282/emb|CAA04449| 2.0e-13 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52563	Strand	+

Start	4238	End	6679
Name	OJ990914_12.9B05.C10.o2.np	Method	AAT/NAP
Start	4235	End	6679
GI	6689616	Score	633
Exons	4235..4391, 4540..5058, 6619..6679		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52563	Strand	+
Start	4238	End	6679
Name	OJ990914_12.9B05.C10.o3.gs	Method	GENSCAN
Start	4238	End	5075
GI	none	Score	1
Exons	4238..4391, 4540..5075		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52564	Strand	-
Start	1	End	5093
Name	OJ990914_12.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	1190
GI	6689616	Score	606
Exons	1..29, 411..919, 1034..1190		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52564	Strand	-
Start	1	End	5093
Name	OJ990914_12.9B05.C10.o2.gp	Method	AAT/GAP
Start	159	End	1251
GI	25600_1.R1084	Score	1242
Exons	159..332, 378..919, 1034..1251		
GI Descrip.	'3402282/emb|CAA04449| 1.0e-11 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52564	Strand	-
Start	1	End	5093
Name	OJ990914_12.9B05.C10.o1.gs	Method	GENSCAN
Start	399	End	1187
GI	none	Score	1
Exons	399..919, 1034..1187		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52564	Strand	-
Start	1	End	5093
Name	OJ990914_12.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	412	End	5093
GI	none	Score	67
Exons	412..516, 615..725, 616..726, 723..917, 723..917, 724..918, 1026..1127, 1035..1085, 4283..4396, 4309..4389, 4540..4593, 4541..4735, 4542..4736, 4542..4736, 4651..4752, 4730..4843, 4734..4844, 4993..5049, 4993..5055, 5058..5093		

Seq. No.	25345	Seq. ID	OJ990914_12.9B05.C10
Gene No.	52564	Strand	-
Start	1	End	5093
Name	OJ990914_12.9B05.C10.o1.tw	Method	TBLASTX:Wheat

Start	678	End	4782
GI	none	Score	45
Exons	678..737, 714..779, 716..772, 768..914, 775..912, 1023..1115, 1035..1085, 4283..4390, 4294..4389, 4545..4691, 4546..4593, 4547..4684, 4548..4688, 4672..4782, 4682..4744, 4686..4781		

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52565	Strand	+
Start	264	End	3171
Name	OJ990914_12.9B05.C11.o1.gp	Method	AAT/GAP
Start	203	End	1603
GI	25600_1.R1084	Score	1878
Exons	203..417, 770..1603		
GI Descrip.	'3402282/emb|CAA04449| 1.0e-11 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52565	Strand	+
Start	264	End	3171
Name	OJ990914_12.9B05.C11.o1.np	Method	AAT/NAP
Start	261	End	3171
GI	6689616	Score	631
Exons	261..417, 770..1369, 2989..3171		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52565	Strand	+
Start	264	End	3171
Name	OJ990914_12.9B05.C11.o1.gs	Method	GENSCAN
Start	264	End	1305
GI	none	Score	.97
Exons	264..417, 770..1305		

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52566	Strand	-
Start	4142	End	7893
Name	OJ990914_12.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	288	End	1074
GI	none	Score	45
Exons	288..317, 309..425, 366..416, 763..921, 771..920, 772..924, 909..1073, 910..1074, 912..1073		

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52566	Strand	-
Start	4142	End	7893
Name	OJ990914_12.9B05.C11.o2.tw	Method	TBLASTX:Wheat
Start	336	End	987
GI	none	Score	83
Exons	336..425, 366..416, 775..915, 777..914, 910..987, 912..986		

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52566	Strand	-
Start	4142	End	7893
Name	OJ990914_12.9B05.C11.o2.np	Method	AAT/NAP
Start	4142	End	7893
GI	6630696	Score	1806
Exons	4142..4257, 6251..7893		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	25346	Seq. ID	OJ990914_12.9B05.C11
Gene No.	52566	Strand	-
Start	4142	End	7893
Name	OJ990914_12.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	6554	End	7321
GI	none	Score	44
Exons	6554..6646, 6554..6652, 6558..6653, 6658..6837, 6659..6751, 6687..6821, 6881..7159, 6884..7081, 6895..7116, 6897..7157, 7100..7246, 7149..7268, 7159..7314, 7247..7321, 7248..7289		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52567	Strand	+
Start	3167	End	4195
Name	OJ990914_12.9B05.C12.o1.gp	Method	AAT/GAP
Start	3109	End	4195
GI	25600_1.R1084	Score	1322
Exons	3109..3320, 3436..4195		

GI Descrip. '3402282/emb|CAA04449| 1.0e-11 (AJ000997) proline-rich protein [Solanum tuberosum]'

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52567	Strand	+
Start	3167	End	4195
Name	OJ990914_12.9B05.C12.o3.np	Method	AAT/NAP
Start	3164	End	3956
GI	6689616	Score	620
Exons	3164..3320, 3436..3956		

GI Descrip. (AJ012301) proline-rich protein [Zea mays]

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52567	Strand	+
Start	3167	End	4195
Name	OJ990914_12.9B05.C12.o2.gs	Method	GENSCAN
Start	3167	End	3971
GI	none	Score	1
Exons	3167..3320, 3436..3971		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52568	Strand	-
Start	1	End	2176
Name	OJ990914_12.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	800
GI	6630696	Score	766
Exons	1..800		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52568	Strand	-
Start	1	End	2176
Name	OJ990914_12.9B05.C12.o2.np	Method	AAT/NAP
Start	508	End	2176

GI	6539588	Score	198
Exons	508..572, 1876..2176		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52569	Strand	-
Start	3729	End	4173
Name	OJ990914_12.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	455	End	757
GI	none	Score	80
Exons	455..757, 490..636, 525..752		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52569	Strand	-
Start	3729	End	4173
Name	OJ990914_12.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	511	End	899
GI	none	Score	88
Exons	511..642, 511..642, 515..682, 515..757, 525..758, 768..899		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52569	Strand	-
Start	3729	End	4173
Name	OJ990914_12.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	3268	End	3865
GI	none	Score	83
Exons	3268..3318, 3269..3319, 3420..3632, 3437..3631, 3629..3739, 3630..3740, 3818..3835, 3839..3865		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52569	Strand	-
Start	3729	End	4173
Name	OJ990914_12.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	3268	End	3669
GI	none	Score	83
Exons	3268..3318, 3269..3319, 3287..3331, 3441..3587, 3442..3489, 3443..3580, 3578..3640, 3579..3653, 3583..3669		

Seq. No.	25347	Seq. ID	OJ990914_12.9B05.C12
Gene No.	52569	Strand	-
Start	3729	End	4173
Name	OJ990914_12.9B05.C12.o2.gp	Method	AAT/GAP
Start	3729	End	4173
GI	none	Score	781
Exons	3729..4173		

Seq. No.	25348	Seq. ID	OJ990914_12.9B05.C13
Gene No.	52570	Strand	-
Start	586	End	802
Name	OJ990914_12.9B05.C13.o1.gs	Method	GENSCAN
Start	586	End	802
GI	none	Score	.92
Exons	586..802		

Seq. No.	25349	Seq. ID	OJ990914_12.9B05.C14
Gene No.	52571	Strand	+
Start	52	End	610

Name	OJ990914_12.9B05.C14.o1.gs	Method	GENSCAN
Start	52	End	610
GI	none	Score	.6
Exons	52..203, 511..610		

Seq. No.	25349	Seq. ID	OJ990914_12.9B05.C14
Gene No.	52572	Strand	-
Start	3601	End	3664
Name	OJ990914_12.9B05.C14.o2.gs	Method	GENSCAN
Start	3601	End	3664
GI	none	Score	.66
Exons	3601..3664		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52573	Strand	+
Start	205	End	598
Name	OJ990914_12.9B05.C17.o1.gs	Method	GENSCAN
Start	205	End	598
GI	none	Score	.64
Exons	205..360, 467..598		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52574	Strand	+
Start	3849	End	7670
Name	OJ990914_12.9B05.C17.o3.gs	Method	GENSCAN
Start	3849	End	7670
GI	none	Score	.43
Exons	3849..3908, 4024..4359, 4710..4846, 5530..5753, 7197..7342, 7572..7670		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52575	Strand	-
Start	752	End	4473
Name	OJ990914_12.9B05.C17.o2.gs	Method	GENSCAN
Start	752	End	3110
GI	none	Score	.61
Exons	752..1123, 1150..1344, 1724..1792, 1933..2156, 2298..2334, 2410..2535, 2721..3110		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52575	Strand	-
Start	752	End	4473
Name	OJ990914_12.9B05.C17.o1.np	Method	AAT/NAP
Start	2294	End	4473
GI	5902445	Score	947
Exons	2294..3338, 4417..4473		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52576	Strand	-
Start	9159	End	9476
Name	OJ990914_12.9B05.C17.o1.tw	Method	TBLASTX:Wheat
Start	2557	End	2933
GI	none	Score	221
Exons	2557..2859, 2568..2933		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17

Gene No.	52576	Strand	-
Start	9159	End	9476
Name	OJ990914_12.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	2574	End	2903
GI	none	Score	72
Exons	2574..2903, 2719..2865		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52576	Strand	-
Start	9159	End	9476
Name	OJ990914_12.9B05.C17.o2.tm	Method	TBLASTX:Maize
Start	2628	End	3011
GI	none	Score	96
Exons	2628..3011, 2635..2862, 2901..2972		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52576	Strand	-
Start	9159	End	9476
Name	OJ990914_12.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	3042	End	3347
GI	none	Score	144
Exons	3042..3326, 3052..3321, 3204..3347		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52576	Strand	-
Start	9159	End	9476
Name	OJ990914_12.9B05.C17.o2.tw	Method	TBLASTX:Wheat
Start	3084	End	3372
GI	none	Score	98
Exons	3084..3326, 3087..3329, 3127..3372		

Seq. No.	25350	Seq. ID	OJ990914_12.9B05.C17
Gene No.	52576	Strand	-
Start	9159	End	9476
Name	OJ990914_12.9B05.C17.o4.gs	Method	GENSCAN
Start	9159	End	9476
GI	none	Score	.81
Exons	9159..9476		

Seq. No.	25351	Seq. ID	OJ990824_15.9B01.C1
Gene No.	52577	Strand	-
Start	1	End	706
Name	OJ990824_15.9B01.C1.o1.gp	Method	AAT/GAP
Start	1	End	623
GI	uC-osflcyp155h09b1	Score	288
Exons	1..40, 465..623		
GI Descrip.	'642357/emb|X83834|TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)'		

Seq. No.	25351	Seq. ID	OJ990824_15.9B01.C1
Gene No.	52577	Strand	-
Start	1	End	706
Name	OJ990824_15.9B01.C1.o1.gs	Method	GENSCAN
Start	27	End	706
GI	none	Score	.47
Exons	27..67, 276..340, 504..706		

Seq. No.	25352	Seq. ID	OJ990824_15.9B01.C2
Gene No.	52578	Strand	-
Start	1408	End	1534
Name	OJ990824_15.9B01.C2.o1.gp	Method	AAT/GAP
Start	1408	End	1534
GI	5005533	Score	254
Exons	1408..1534		
GI Descrip.	642357/emb|X83834|TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.np	Method	AAT/NAP
Start	679	End	5146
GI	2459431	Score	352
Exons	679..1625, 2395..2684, 3477..3538, 3704..3778, 3888..3967, 5043..5146		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.gs	Method	GENSCAN
Start	692	End	5950
GI	none	Score	.8
Exons	692..1622, 1968..2021, 2454..2684, 2757..2964, 3050..3078, 3477..3538, 3701..3778, 3888..3960, 4660..4783, 5243..5360, 5780..5950		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1968	End	2696
GI	none	Score	142
Exons	1968..2018, 2433..2582, 2451..2582, 2526..2690, 2526..2696, 2605..2691		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.ts	Method	TBLASTX:Soybean
Start	2430	End	3539
GI	none	Score	67
Exons	2430..2579, 2456..2581, 2526..2690, 2553..2687, 2754..2966, 2758..2967, 3047..3094, 3049..3111, 3257..3343, 3283..3351, 3468..3539		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.tc	Method	TBLASTX:Cress
Start	2481	End	2906
GI	none	Score	70
Exons	2481..2531, 2559..2687, 2754..2906, 2776..2901		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	2505	End	3082
GI	none	Score	61
Exons	2505..2534, 2574..2687, 2605..2685, 2754..2966, 2761..2964, 3047..3082, 3049..3081		

Seq. No.	25353	Seq. ID	OJ990824_15.9B01.C3
Gene No.	52579	Strand	-
Start	679	End	5950
Name	OJ990824_15.9B01.C3.o1.gp	Method	AAT/GAP
Start	4810	End	5101
GI	3761679	Score	285
Exons	4810..4892, 4984..5101		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	25354	Seq. ID	OJ990824_15.9B01.C4
Gene No.	52580	Strand	+
Start	5014	End	5640
Name	OJ990824_15.9B01.C4.o2.gs	Method	GENSCAN
Start	5014	End	5640
GI	none	Score	.81
Exons	5014..5640		

Seq. No.	25354	Seq. ID	OJ990824_15.9B01.C4
Gene No.	52581	Strand	+
Start	7371	End	7516
Name	OJ990824_15.9B01.C4.o2.gp	Method	AAT/GAP
Start	7371	End	7516
GI	uC-osf1M202069b02a1	Score	292
Exons	7371..7516		
GI Descrip.	'4895179/gb|AAD32766.1|AC007661_3 3.0e-47 (AC007661) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25354	Seq. ID	OJ990824_15.9B01.C4
Gene No.	52582	Strand	-
Start	6073	End	7516
Name	OJ990824_15.9B01.C4.o1.np	Method	AAT/NAP
Start	6073	End	7516
GI	6815052	Score	383
Exons	6073..6194, 6475..6547, 6629..6793, 7490..7516		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25354	Seq. ID	OJ990824_15.9B01.C4
Gene No.	52582	Strand	-
Start	6073	End	7516
Name	OJ990824_15.9B01.C4.o3.gs	Method	GENSCAN
Start	6134	End	6784
GI	none	Score	.54
Exons	6134..6194, 6459..6784		

Seq. No.	25355	Seq. ID	OJ990824_15.9B01.C6
Gene No.	52583	Strand	+
Start	2741	End	7268

Name	OJ990824_15.9B01.C6.o1.np	Method	AAT/NAP
Start	2741	End	5604
GI	6498436	Score	277
Exons	2741..2853, 5002..5274, 5481..5604		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	25355	Seq. ID	OJ990824_15.9B01.C6
Gene No.	52583	Strand	+
Start	2741	End	7268
Name	OJ990824_15.9B01.C6.o2.np	Method	AAT/NAP
Start	4576	End	7268
GI	6691193	Score	74
Exons	4576..4624, 5788..6070, 7206..7268		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	25355	Seq. ID	OJ990824_15.9B01.C6
Gene No.	52584	Strand	-
Start	512	End	765
Name	OJ990824_15.9B01.C6.o1.gs	Method	GENSCAN
Start	512	End	765
GI	none	Score	.55
Exons	512..765		

Seq. No.	25355	Seq. ID	OJ990824_15.9B01.C6
Gene No.	52585	Strand	-
Start	2823	End	5807
Name	OJ990824_15.9B01.C6.o2.gs	Method	GENSCAN
Start	2823	End	5807
GI	none	Score	.48
Exons	2823..3122, 3300..3355, 5741..5807		

Seq. No.	25356	Seq. ID	OJ990824_15.9B01.C7
Gene No.	52586	Strand	-
Start	1961	End	2584
Name	OJ990824_15.9B01.C7.o3.tm	Method	TBLASTX:Maize
Start	621	End	999
GI	none	Score	71
Exons	621..902, 877..999		

Seq. No.	25356	Seq. ID	OJ990824_15.9B01.C7
Gene No.	52586	Strand	-
Start	1961	End	2584
Name	OJ990824_15.9B01.C7.o2.tm	Method	TBLASTX:Maize
Start	1186	End	1569
GI	none	Score	56
Exons	1186..1302, 1220..1297, 1306..1359, 1366..1569, 1376..1498		

Seq. No.	25356	Seq. ID	OJ990824_15.9B01.C7
Gene No.	52586	Strand	-
Start	1961	End	2584
Name	OJ990824_15.9B01.C7.o1.tw	Method	TBLASTX:Wheat
Start	1243	End	1534
GI	none	Score	172
Exons	1243..1527, 1244..1534		

Seq. No.	25356	Seq. ID	OJ990824_15.9B01.C7
Gene No.	52586	Strand	-

Start	1961	End	2584
Name	OJ990824_15.9B01.C7.o1.tm	Method	TBLASTX:Maize
Start	1570	End	2488
GI	none	Score	70
Exons	1570..1689, 1709..1891, 1892..2017, 2066..2488, 2067..2150		

Seq. No.	25356	Seq. ID	OJ990824_15.9B01.C7
Gene No.	52586	Strand	-
Start	1961	End	2584
Name	OJ990824_15.9B01.C7.o1.gs	Method	GENSCAN
Start	1961	End	2584
GI	none	Score	.5
Exons	1961..2452, 2498..2584		

Seq. No.	25356	Seq. ID	OJ990824_15.9B01.C7
Gene No.	52586	Strand	-
Start	1961	End	2584
Name	OJ990824_15.9B01.C7.o1.np	Method	AAT/NAP
Start	2120	End	2524
GI	2462640	Score	515
Exons	2120..2524		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52587	Strand	+
Start	1135	End	1551
Name	OJ990824_15.9B01.C8.o1.gp	Method	AAT/GAP
Start	1135	End	1551
GI	uC-osflcyp155h09b1	Score	716
Exons	1135..1551		
GI Descrip.	'642357/emb|X83834|TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)'		

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52588	Strand	-
Start	1	End	1549
Name	OJ990824_15.9B01.C8.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	5734761	Score	783
Exons	1..1501		
GI Descrip.	(AC007651) Similar to disease resistance proteins [Arabidopsis thaliana]		

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52588	Strand	-
Start	1	End	1549
Name	OJ990824_15.9B01.C8.o1.tw	Method	TBLASTX:Wheat
Start	10	End	874
GI	none	Score	51
Exons	10..132, 251..442, 257..391, 446..715, 447..713, 605..823, 715..822, 718..861, 731..874		

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52588	Strand	-
Start	1	End	1549
Name	OJ990824_15.9B01.C8.o1.tc	Method	TBLASTX:Cress
Start	257	End	915

GI	none	Score	142
Exons	257..487, 263..451, 458..655, 724..915	497..637, 709..876, 715..861,	

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52588	Strand	-
Start	1	End	1549
Name	OJ990824_15.9B01.C8.o1.tm	Method	TBLASTX:Maize
Start	263	End	1008
GI	none	Score	148
Exons	263..628, 270..545, 437..622, 775..870, 880..1008	476..655, 709..939, 742..849,	

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52588	Strand	-
Start	1	End	1549
Name	OJ990824_15.9B01.C8.o1.ts	Method	TBLASTX:Soybean
Start	308	End	849
GI	none	Score	80
Exons	308..430, 458..691, 458..550, 700..849, 727..834, 727..822,	518..637, 518..622, 590..658, 736..849	

Seq. No.	25357	Seq. ID	OJ990824_15.9B01.C8
Gene No.	52588	Strand	-
Start	1	End	1549
Name	OJ990824_15.9B01.C8.o1.gs	Method	GENSCAN
Start	376	End	1549
GI	none	Score	.52
Exons	376..617, 801..823, 1003..1549		

Seq. No.	25358	Seq. ID	OJ990824_15.9B01.C9
Gene No.	52589	Strand	-
Start	57	End	782
Name	OJ990824_15.9B01.C9.o1.gp	Method	AAT/GAP
Start	57	End	701
GI	2574_1.R1084	Score	804
Exons	57..423, 530..701		
GI Descrip.	'310732/gb|L08786|SYNBLSKMV 2.0e-13 BlueScribe SK Minus cloning vector'		

Seq. No.	25358	Seq. ID	OJ990824_15.9B01.C9
Gene No.	52589	Strand	-
Start	57	End	782
Name	OJ990824_15.9B01.C9.o1.tm	Method	TBLASTX:Maize
Start	252	End	693
GI	none	Score	183
Exons	252..422, 256..423, 257..424, 604..690	517..612, 530..616, 604..693,	

Seq. No.	25358	Seq. ID	OJ990824_15.9B01.C9
Gene No.	52589	Strand	-
Start	57	End	782
Name	OJ990824_15.9B01.C9.o1.tw	Method	TBLASTX:Wheat
Start	528	End	782
GI	none	Score	91
Exons	528..596, 529..630, 530..631,	619..780, 654..782, 707..778	

Seq. No.	25359	Seq. ID	OJ990824_15.9B01.C10
Gene No.	52590	Strand	
Start	17	End	538
Name	OJ990824_15.9B01.C10.o2.tm	Method	TBLASTX:Maize
Start	17	End	538
GI	none	Score	91
Exons	17..100, 18..119, 143..271, 144..449, 347..448, 494..538		

Seq. No.	25359	Seq. ID	OJ990824_15.9B01.C10
Gene No.	52591	Strand	
Start	548	End	971
Name	OJ990824_15.9B01.C10.o1.tm	Method	TBLASTX:Maize
Start	548	End	971
GI	none	Score	269
Exons	548..796, 549..797, 558..797, 780..860, 797..850, 854..943, 861..971		

Seq. No.	25359	Seq. ID	OJ990824_15.9B01.C10
Gene No.	52591	Strand	
Start	548	End	971
Name	OJ990824_15.9B01.C10.o1.tw	Method	TBLASTX:Wheat
Start	620	End	971
GI	none	Score	324
Exons	620..901, 633..914, 918..971		

Seq. No.	25359	Seq. ID	OJ990824_15.9B01.C10
Gene No.	52592	Strand	
Start	1203	End	1514
Name	OJ990824_15.9B01.C10.o3.tm	Method	TBLASTX:Maize
Start	1203	End	1514
GI	none	Score	187
Exons	1203..1514		

Seq. No.	25360	Seq. ID	OJ990824_15.9B01.C11
Gene No.	52593	Strand	+
Start	322	End	378
Name	OJ990824_15.9B01.C11.o1.gs	Method	GENSCAN
Start	322	End	378
GI	none	Score	.56
Exons	322..378		

Seq. No.	25360	Seq. ID	OJ990824_15.9B01.C11
Gene No.	52594	Strand	-
Start	1584	End	1650
Name	OJ990824_15.9B01.C11.o2.gs	Method	GENSCAN
Start	1584	End	1650
GI	none	Score	.8
Exons	1584..1650		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52595	Strand	+
Start	703	End	8737
Name	OJ990824_15.9B01.C12.o1.gs	Method	GENSCAN
Start	703	End	8737
GI	none	Score	.65
Exons	703..778, 1869..2014, 4195..4441, 4965..5149, 5325..5580, 7410..7473, 7735..7777, 8322..8737		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52595	Strand	+
Start	703	End	8737
Name	OJ990824_15.9B01.C12.o1.np	Method	AAT/NAP
Start	1932	End	8328
GI	6069667	Score	917
Exons	1932..2079, 2578..2685, 3043..3152, 4088..4285, 4376..4581, 5203..5252, 8201..8328		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52596	Strand	+
Start	8674	End	8790
Name	OJ990824_15.9B01.C12.o2.np	Method	AAT/NAP
Start	8674	End	8790
GI	5777617	Score	86
Exons	8674..8790		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52597	Strand	+
Start	13267	End	13477
Name	OJ990824_15.9B01.C12.o3.gp	Method	AAT/GAP
Start	13267	End	13477
GI	LIB3432-057-P1-K1-C2	Score	148
Exons	13267..13379, 13449..13477		
GI Descrip.	'2499551/sp|Q55535|Y328_SYNY3 1.0e-10 PUTATIVE LOW MOLECULAR WEIGHT PROTEIN-TYROSINE-PHOSPHATASE >gi_1001408_dbj_BAA10030_ (D63999) low molecular weight phosphotyrosine protein phosphatase [Synechocystis sp.]'		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52598	Strand	+
Start	15685	End	16095
Name	OJ990824_15.9B01.C12.o5.gp	Method	AAT/GAP
Start	15685	End	16095
GI	none	Score	806
Exons	15685..16095		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52599	Strand	-
Start	8833	End	9594
Name	OJ990824_15.9B01.C12.o2.gs	Method	GENSCAN
Start	8833	End	9594
GI	none	Score	.57
Exons	8833..9594		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52600	Strand	-
Start	10018	End	16568
Name	OJ990824_15.9B01.C12.o3.gs	Method	GENSCAN
Start	10018	End	16568
GI	none	Score	.58
Exons	10018..10303, 10524..10742, 11476..11659, 11723..11905, 12001..12208, 12317..12452, 12706..12975, 14135..14853, 15951..16568		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52600	Strand	-
Start	10018	End	16568
Name	OJ990824_15.9B01.C12.o1.tc	Method	TBLASTX:Cress
Start	10213	End	11831
GI	none	Score	264
Exons	10213..10305, 10388..10528, 11412..11831		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52600	Strand	-
Start	10018	End	16568
Name	OJ990824_15.9B01.C12.o1.tm	Method	TBLASTX:Maize
Start	10560	End	11604
GI	none	Score	171
Exons	10560..10757, 10560..10679, 10562..10753, 10824..11114, 10825..11118, 10826..11125, 11114..11152, 11146..11328, 11150..11326, 11154..11381, 11154..11603, 11164..11604		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52600	Strand	-
Start	10018	End	16568
Name	OJ990824_15.9B01.C12.o4.np	Method	AAT/NAP
Start	11051	End	12062
GI	4538624	Score	285
Exons	11051..11366, 11400..11905, 12001..12062		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	25361	Seq. ID	OJ990824_15.9B01.C12
Gene No.	52600	Strand	-
Start	10018	End	16568
Name	OJ990824_15.9B01.C12.o2.tm	Method	TBLASTX:Maize
Start	12049	End	12388
GI	none	Score	133
Exons	12049..12216, 12054..12323, 12054..12218, 12056..12322, 12317..12388, 12320..12388		

Seq. No.	25362	Seq. ID	OJ990824_15.9B01.C13
Gene No.	52601	Strand	-
Start	139	End	2414
Name	OJ990824_15.9B01.C13.o1.gs	Method	GENSCAN
Start	139	End	2414
GI	none	Score	.61
Exons	139..228, 267..355, 1879..1968, 2007..2057, 2179..2414		

Seq. No.	25363	Seq. ID	OJ990824_15.9B01.C14
Gene No.	52602	Strand	-
Start	813	End	5451
Name	OJ990824_15.9B01.C14.o1.gp	Method	AAT/GAP
Start	813	End	3647
GI	5005370	Score	1203
Exons	813..932, 1017..1187, 1635..1724, 3280..3372, 3472..3647		

Seq. No.	25363	Seq. ID	OJ990824_15.9B01.C14
Gene No.	52602	Strand	-
Start	813	End	5451
Name	OJ990824_15.9B01.C14.o1.gs	Method	GENSCAN

Start	813	End	5167
GI	none	Score	.66
Exons	813..932, 1017..1187, 1635..1724, 3280..3372, 3472..3686, 4973..5167		

Seq. No.	25363	Seq. ID	OJ990824_15.9B01.C14
Gene No.	52602	Strand	-
Start	813	End	5451
Name	OJ990824_15.9B01.C14.o1.tw	Method	TBLASTX:Wheat
Start	4996	End	5375
GI	none	Score	353
Exons	4996..5373, 5006..5107, 5010..5375		

Seq. No.	25363	Seq. ID	OJ990824_15.9B01.C14
Gene No.	52602	Strand	-
Start	813	End	5451
Name	OJ990824_15.9B01.C14.o1.np	Method	AAT/NAP
Start	5010	End	5451
GI	6705984	Score	652
Exons	5010..5451		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	25363	Seq. ID	OJ990824_15.9B01.C14
Gene No.	52602	Strand	-
Start	813	End	5451
Name	OJ990824_15.9B01.C14.o1.tm	Method	TBLASTX:Maize
Start	5010	End	5210
GI	none	Score	182
Exons	5010..5210, 5011..5208		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o1.np	Method	AAT/NAP
Start	1	End	1817
GI	6705984	Score	2791
Exons	1..1817		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o1.tw	Method	TBLASTX:Wheat
Start	13	End	265
GI	none	Score	219
Exons	13..264, 24..263, 29..265		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o1.gs	Method	GENSCAN
Start	30	End	1750
GI	none	Score	.5
Exons	30..522, 571..1042, 1169..1344, 1452..1750		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-

Start	1	End	1817
Name	OJ990824_15.9B01.C15.o1.tm	Method	TBLASTX:Maize
Start	160	End	705
GI	none	Score	114
Exons	160..705, 284..664		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o1.ts	Method	TBLASTX:Soybean
Start	185	End	441
GI	none	Score	203
Exons	185..415, 185..373, 187..441		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o3.tw	Method	TBLASTX:Wheat
Start	352	End	753
GI	none	Score	99
Exons	352..753, 452..706		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o2.ts	Method	TBLASTX:Soybean
Start	467	End	825
GI	none	Score	104
Exons	467..706, 475..825, 737..820		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o2.tm	Method	TBLASTX:Maize
Start	748	End	1113
GI	none	Score	118
Exons	748..1113, 791..1111		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o2.tw	Method	TBLASTX:Wheat
Start	802	End	1275
GI	none	Score	144
Exons	802..1116, 830..1117, 1120..1275		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o4.tm	Method	TBLASTX:Maize
Start	1231	End	1396
GI	none	Score	187
Exons	1231..1383, 1232..1396		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817

Name	OJ990824_15.9B01.C15.o4.tw	Method	TBLASTX:Wheat
Start	1321	End	1739
GI	none	Score	111
Exons	1321..1449, 1321..1437, 1389..1448, 1449..1529, 1539..1598, 1545..1583, 1575..1739		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o3.tm	Method	TBLASTX:Maize
Start	1590	End	1817
GI	none	Score	85
Exons	1590..1817, 1638..1811, 1741..1815		

Seq. No.	25364	Seq. ID	OJ990824_15.9B01.C15
Gene No.	52603	Strand	-
Start	1	End	1817
Name	OJ990824_15.9B01.C15.o3.ts	Method	TBLASTX:Soybean
Start	1608	End	1817
GI	none	Score	80
Exons	1608..1817, 1653..1811, 1741..1815		

Seq. No.	25365	Seq. ID	OJ990824_15.9B01.C16
Gene No.	52604	Strand	-
Start	1	End	2692
Name	OJ990824_15.9B01.C16.o1.np	Method	AAT/NAP
Start	1	End	2692
GI	6705984	Score	1872
Exons	1..399, 1850..2692		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	25365	Seq. ID	OJ990824_15.9B01.C16
Gene No.	52604	Strand	-
Start	1	End	2692
Name	OJ990824_15.9B01.C16.o1.gs	Method	GENSCAN
Start	128	End	501
GI	none	Score	.51
Exons	128..238, 499..501		

Seq. No.	25365	Seq. ID	OJ990824_15.9B01.C16
Gene No.	52604	Strand	-
Start	1	End	2692
Name	OJ990824_15.9B01.C16.o1.tw	Method	TBLASTX:Wheat
Start	213	End	2251
GI	none	Score	154
Exons	213..389, 226..402, 227..427, 1856..2044, 1856..2035, 1857..2054, 1875..2039, 2045..2251, 2063..2209, 2070..2234		

Seq. No.	25365	Seq. ID	OJ990824_15.9B01.C16
Gene No.	52604	Strand	-
Start	1	End	2692
Name	OJ990824_15.9B01.C16.o1.ts	Method	TBLASTX:Soybean
Start	1850	End	2230
GI	none	Score	64
Exons	1850..2029, 1911..2030, 2063..2230		

Seq. No.	25365	Seq. ID	OJ990824_15.9B01.C16

Gene No.	52604	Strand	-
Start	1	End	2692
Name	OJ990824_15.9B01.C16.o1.tm	Method	TBLASTX:Maize
Start	2012	End	2257
GI	none	Score	165
Exons	2012..2257, 2025..2246		

Seq. No.	25366	Seq. ID	OJ990824_15.9B01.C17
Gene No.	52605	Strand	-
Start	18	End	994
Name	OJ990824_15.9B01.C17.o1.gs	Method	GENSCAN
Start	18	End	994
GI	none	Score	.56
Exons	18..286, 314..455, 928..994		

Seq. No.	25367	Seq. ID	OJ990824_15.9B01.C18
Gene No.	52606	Strand	+
Start	3467	End	3690
Name	OJ990824_15.9B01.C18.o1.np	Method	AAT/NAP
Start	3467	End	3690
GI	4680186	Score	165
Exons	3467..3690		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25367	Seq. ID	OJ990824_15.9B01.C18
Gene No.	52607	Strand	-
Start	8	End	3496
Name	OJ990824_15.9B01.C18.o1.gs	Method	GENSCAN
Start	8	End	3496
GI	none	Score	.6
Exons	8..365, 431..719, 854..1042, 3406..3496		

Seq. No.	25367	Seq. ID	OJ990824_15.9B01.C18
Gene No.	52608	Strand	-
Start	4498	End	5322
Name	OJ990824_15.9B01.C18.o1.tw	Method	TBLASTX:Wheat
Start	1916	End	2449
GI	none	Score	171
Exons	1916..2008, 2092..2250, 2225..2449		

Seq. No.	25367	Seq. ID	OJ990824_15.9B01.C18
Gene No.	52608	Strand	-
Start	4498	End	5322
Name	OJ990824_15.9B01.C18.o2.np	Method	AAT/NAP
Start	4079	End	5322
GI	6907087	Score	344
Exons	4079..4180, 4731..5322		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25367	Seq. ID	OJ990824_15.9B01.C18
Gene No.	52608	Strand	-
Start	4498	End	5322
Name	OJ990824_15.9B01.C18.o2.gs	Method	GENSCAN
Start	4498	End	5261
GI	none	Score	.68

Exons	4498..4918, 4920..5261		
Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o1.np	Method	AAT/NAP
Start	1	End	1124
GI	6513927	Score	538
Exons	1..81, 248..328, 443..643, 745..840, 950..1124		
GI Descrip.	(AC011664) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o1.tm	Method	TBLASTX:Maize
Start	16	End	1124
GI	none	Score	111
Exons	16..81, 19..81, 21..86, 247..330, 248..331, 249..350, 440..646, 446..646, 740..841, 742..873, 742..840, 744..842, 944..1051, 950..1063, 985..1059, 1059..1124, 1060..1122		
Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o1.ts	Method	TBLASTX:Soybean
Start	16	End	628
GI	none	Score	101
Exons	16..93, 21..77, 455..628, 469..564, 470..628		
Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o1.gs	Method	GENSCAN
Start	248	End	1054
GI	none	Score	.87
Exons	248..328, 443..643, 745..840, 950..1054		
Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o1.tc	Method	TBLASTX:Cress
Start	266	End	1053
GI	none	Score	79
Exons	266..331, 445..561, 446..646, 455..628, 763..873, 771..890, 950..1051, 976..1053		
Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o1.gp	Method	AAT/GAP
Start	551	End	1124
GI	16263_1:R1084	Score	645
Exons	551..643, 745..840, 950..1124		
GI Descrip.	'2132388/pir||S62011 3.0e-22 PHO85 protein - yeast (Saccharomyces cerevisiae) >gi_1163103 (U43503) Lph16p [Saccharomyces cerevisiae]'		

Seq. No.	25368	Seq. ID	OJ990824_15.9B01.C19
Gene No.	52609	Strand	+
Start	1	End	1124
Name	OJ990824_15.9B01.C19.o2.ts	Method	TBLASTX:Soybean
Start	950	End	1122
GI	none	Score	154
Exons	950..1063, 954..1076, 956..1024, 976..1059, 1060..1122		

Seq. No.	25369	Seq. ID	OJ990824_15.9B01.C20
Gene No.	52610	Strand	+
Start	745	End	950
Name	OJ990824_15.9B01.C20.o1.gs	Method	GENSCAN
Start	745	End	950
GI	none	Score	.9
Exons	745..950		

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52611	Strand	+
Start	3223	End	8766
Name	OJ990824_15.9B01.C21.o2.gs	Method	GENSCAN
Start	3223	End	8766
GI	none	Score	.83
Exons	3223..3515, 3600..3643, 3652..4253, 4339..4455, 5000..5138, 5322..5417, 6535..6609, 6677..6732, 6833..6877, 6972..7223, 7334..7428, 7862..7952, 8104..8214, 8304..8498, 8575..8766		

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52611	Strand	+
Start	3223	End	8766
Name	OJ990824_15.9B01.C21.o1.np	Method	AAT/NAP
Start	6535	End	8763
GI	4455214	Score	1005
Exons	6535..6609, 6677..6732, 6833..6934, 6972..7223, 7334..7428, 7862..7952, 8104..8214, 8304..8498, 8575..8763		
GI Descrip.	(AL035440) putative dihydrolipoamide succinyltransferase [Arabidopsis thaliana]		

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52612	Strand	-
Start	625	End	8782
Name	OJ990824_15.9B01.C21.o1.gs	Method	GENSCAN
Start	625	End	2646
GI	none	Score	.41
Exons	625..704, 2097..2646		

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52612	Strand	-
Start	625	End	8782
Name	OJ990824_15.9B01.C21.o1.tm	Method	TBLASTX:Maize
Start	2140	End	8782
GI	none	Score	65
Exons	2140..2187, 6386..6451, 6533..6607, 6534..6608, 6551..6610, 6674..6733, 6676..6741, 6678..6737, 6830..6889, 6832..6888, 6969..7181, 6969..7055, 6977..7084, 7062..7226, 7118..7177, 7179..7226, 7331..7429, 7333..7428, 7334..7429, 7359..7451, 7850..7948, 7863..7952, 7871..7954, 7873..7953, 8095..8214, 8098..8214, 8103..8216, 8281..8496, 8301..8507, 8303..8509,		

8304..8498, 8568..8774, 8574..8765, 8575..8775, 8581..8775,
8591..8782, 8591..8782

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52612	Strand	-
Start	625	End	8782
Name	OJ990824_15.9B01.C21.o1.tc	Method	TBLASTX:Cress
Start	6533	End	8768
GI	none	Score	106
Exons	6533..6607, 6534..6608, 6537..6626, 6676..6741, 6676..6735, 6678..6737, 6830..6877, 6832..6870, 6969..7130, 6971..7039, 7179..7226, 7331..7429, 7333..7428, 7340..7429, 7850..7969, 7863..7952, 8095..8223, 8098..8214, 8303..8494, 8304..8498, 8574..8765, 8575..8766, 8589..8768		

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52612	Strand	-
Start	625	End	8782
Name	OJ990824_15.9B01.C21.o1.ts	Method	TBLASTX:Soybean
Start	6569	End	8766
GI	none	Score	53
Exons	6569..6610, 6570..6608, 6678..6737, 6679..6741, 6830..6880, 6832..6879, 6977..7039, 7065..7226, 7331..7429, 7333..7428, 7850..7948, 7862..7951, 7863..7952, 8098..8214, 8103..8207, 8303..8485, 8303..8494, 8304..8498, 8573..8764, 8573..8764, 8574..8765, 8575..8766		

Seq. No.	25370	Seq. ID	OJ990824_15.9B01.C21
Gene No.	52612	Strand	-
Start	625	End	8782
Name	OJ990824_15.9B01.C21.o1.tw	Method	TBLASTX:Wheat
Start	8095	End	8771
GI	none	Score	154
Exons	8095..8214, 8101..8214, 8301..8498, 8303..8485, 8303..8509, 8304..8498, 8574..8765, 8575..8766, 8589..8771		

Seq. No.	25371	Seq. ID	OJ990824_15.9B01.C22
Gene No.	52613	Strand	-
Start	115	End	1527
Name	OJ990824_15.9B01.C22.o1.gs	Method	GENSCAN
Start	115	End	1527
GI	none	Score	.84
Exons	115..252, 803..971, 1086..1227, 1407..1527		

Seq. No.	25371	Seq. ID	OJ990824_15.9B01.C22
Gene No.	52613	Strand	-
Start	115	End	1527
Name	OJ990824_15.9B01.C22.o1.np	Method	AAT/NAP
Start	919	End	1224
GI	295932	Score	131
Exons	919..1224		
GI Descrip.	(Y00867) PHO85 [Saccharomyces cerevisiae]		

Seq. No.	25371	Seq. ID	OJ990824_15.9B01.C22
Gene No.	52614	Strand	-
Start	3043	End	3476
Name	OJ990824_15.9B01.C22.o1.tm	Method	TBLASTX:Maize

Start	124	End	472
GI	none	Score	82
Exons	124..252, 137..253, 332..472, 333..455		

Seq. No.	25371	Seq. ID	OJ990824_15.9B01.C22
Gene No.	52614	Strand	-
Start	3043	End	3476
Name	OJ990824_15.9B01.C22.o2.gs	Method	GENSCAN
Start	3043	End	3476
GI	none	Score	.98
Exons	3043..3476		

Seq. No.	25371	Seq. ID	OJ990824_15.9B01.C22
Gene No.	52614	Strand	-
Start	3043	End	3476
Name	OJ990824_15.9B01.C22.o2.np	Method	AAT/NAP
Start	3133	End	3450
GI	3135543	Score	101
Exons	3133..3450		
GI Descrip.	(AF062393) aquaporin [Oryza sativa]		

Seq. No.	25372	Seq. ID	OJ990824_15.9B01.C25
Gene No.	52615	Strand	-
Start	211	End	986
Name	OJ990824_15.9B01.C25.o1.gs	Method	GENSCAN
Start	211	End	968
GI	none	Score	.88
Exons	211..415, 612..736, 822..968		

Seq. No.	25372	Seq. ID	OJ990824_15.9B01.C25
Gene No.	52615	Strand	-
Start	211	End	986
Name	OJ990824_15.9B01.C25.o1.gp	Method	AAT/GAP
Start	218	End	388
GI	LIB3434-056-P1-K1-E3	Score	299
Exons	218..388		
GI Descrip.	'1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		

Seq. No.	25372	Seq. ID	OJ990824_15.9B01.C25
Gene No.	52615	Strand	-
Start	211	End	986
Name	OJ990824_15.9B01.C25.o2.tm	Method	TBLASTX:Maize
Start	223	End	384
GI	none	Score	192
Exons	223..384, 233..382		

Seq. No.	25372	Seq. ID	OJ990824_15.9B01.C25
Gene No.	52615	Strand	-
Start	211	End	986
Name	OJ990824_15.9B01.C25.o1.tm	Method	TBLASTX:Maize
Start	597	End	986
GI	none	Score	147
Exons	597..734, 605..736, 610..738, 611..739, 819..935, 822..947, 823..942, 939..986, 939..974		

Seq. No.	25373	Seq. ID	OJ990824_15.9B01.C28

Gene No.	52616	Strand	-
Start	1	End	4900
Name	OJ990824_15.9B01.C28.o1.np	Method	AAT/NAP
Start	1	End	4900
GI	4432866	Score	325
Exons	1..26, 747..1863, 4726..4900		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	25373	Seq. ID	OJ990824_15.9B01.C28
Gene No.	52616	Strand	-
Start	1	End	4900
Name	OJ990824_15.9B01.C28.o1.tm	Method	TBLASTX:Maize
Start	645	End	1335
GI	none	Score	95
Exons	645..803, 849..1013, 922..1005, 1015..1335, 1016..1297		

Seq. No.	25373	Seq. ID	OJ990824_15.9B01.C28
Gene No.	52616	Strand	-
Start	1	End	4900
Name	OJ990824_15.9B01.C28.o2.tw	Method	TBLASTX:Wheat
Start	660	End	999
GI	none	Score	92
Exons	660..719, 729..803, 870..998, 871..999		

Seq. No.	25373	Seq. ID	OJ990824_15.9B01.C28
Gene No.	52616	Strand	-
Start	1	End	4900
Name	OJ990824_15.9B01.C28.o1.tw	Method	TBLASTX:Wheat
Start	1009	End	1341
GI	none	Score	117
Exons	1009..1341, 1079..1252		

Seq. No.	25373	Seq. ID	OJ990824_15.9B01.C28
Gene No.	52616	Strand	-
Start	1	End	4900
Name	OJ990824_15.9B01.C28.o2.np	Method	AAT/NAP
Start	2753	End	4128
GI	6587861	Score	45
Exons	2753..2784, 3945..4128		
GI Descrip.	(AC012680) putative transporter [Arabidopsis thaliana]		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52617	Strand	+
Start	770	End	3533
Name	OJ990824_15.9B01.C29.o1.gp	Method	AAT/GAP
Start	770	End	903
GI	LIB3474-009-P1-K1-F11	Score	228
Exons	770..903		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52617	Strand	+
Start	770	End	3533
Name	OJ990824_15.9B01.C29.o1.gs	Method	GENSCAN
Start	785	End	3517

GI	none	Score	.84
Exons	785..799, 2063..2272, 2638..2811, 3111..3222, 3306..3517		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52617	Strand	+
Start	770	End	3533
Name	OJ990824_15.9B01.C29.o1.np	Method	AAT/NAP
Start	3060	End	3533
GI	6513927	Score	131
Exons	3060..3155, 3371..3533		
GI Descrip.	(AC011664) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52618	Strand	-
Start	1691	End	1762
Name	OJ990824_15.9B01.C29.o2.gp	Method	AAT/GAP
Start	1691	End	1762
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	1691..1762		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52619	Strand	
Start	3102	End	3550
Name	OJ990824_15.9B01.C29.o1.tm	Method	TBLASTX:Maize
Start	3102	End	3526
GI	none	Score	72
Exons	3102..3212, 3119..3205, 3371..3526, 3373..3489, 3374..3517		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52619	Strand	
Start	3102	End	3550
Name	OJ990824_15.9B01.C29.o1.ts	Method	TBLASTX:Soybean
Start	3371	End	3550
GI	none	Score	193
Exons	3371..3550, 3373..3489, 3374..3532		

Seq. No.	25374	Seq. ID	OJ990824_15.9B01.C29
Gene No.	52619	Strand	
Start	3102	End	3550
Name	OJ990824_15.9B01.C29.o1.tc	Method	TBLASTX:Cress
Start	3373	End	3550
GI	none	Score	190
Exons	3373..3549, 3374..3550		

Seq. No.	25375	Seq. ID	OJ990824_15.9B01.C31
Gene No.	52620	Strand	
Start	628	End	942
Name	OJ990824_15.9B01.C31.o1.tm	Method	TBLASTX:Maize
Start	628	End	942
GI	none	Score	205
Exons	628..942		

Seq. No.	25376	Seq. ID	OJ990824_15.9B01.C32
Gene No.	52621	Strand	+

Start	11	End	1233
Name	OJ990824_15.9B01.C32.o1.gs	Method	GENSCAN
Start	11	End	958
GI	none	Score	.41
Exons	11..159, 919..958		

Seq. No.	25376	Seq. ID	OJ990824_15.9B01.C32
Gene No.	52621	Strand	+
Start	11	End	1233
Name	OJ990824_15.9B01.C32.o1.gp	Method	AAT/GAP
Start	166	End	1233
GI	53621_1.R1084	Score	596
Exons	166..266, 919..1096, 1182..1233		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	25377	Seq. ID	OJ990824_15.9B01.C33
Gene No.	52622	Strand	
Start	2	End	603
Name	OJ990824_15.9B01.C33.o1.tm	Method	TBLASTX:Maize
Start	2	End	603
GI	none	Score	87
Exons	2..43, 28..147, 30..143, 213..455, 214..504, 215..508, 216..515, 504..542, 544..603, 554..598		

Seq. No.	25378	Seq. ID	OJ990824_15.9B01.C34
Gene No.	52623	Strand	+
Start	250	End	322
Name	OJ990824_15.9B01.C34.o1.gp	Method	AAT/GAP
Start	250	End	322
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	250..322		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25379	Seq. ID	OJ990824_15.9B01.C39
Gene No.	52624	Strand	-
Start	264	End	374
Name	OJ990824_15.9B01.C39.o1.gs	Method	GENSCAN
Start	264	End	374
GI	none	Score	.92
Exons	264..374		

Seq. No.	25380	Seq. ID	OJ990824_14.9B08.C2
Gene No.	52625	Strand	+
Start	418	End	693
Name	OJ990824_14.9B08.C2.o1.gp	Method	AAT/GAP
Start	418	End	693
GI	2280831	Score	404
Exons	418..693		

Seq. No.	25380	Seq. ID	OJ990824_14.9B08.C2
Gene No.	52626	Strand	-
Start	1	End	2251
Name	OJ990824_14.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	2251

GI	4378066	Score	82
Exons	1..41, 2102..2251		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52627	Strand	+
Start	1	End	2271
Name	OJ990824_14.9B08.C3.o1.np	Method	AAT/NAP
Start	1	End	1845
GI	4378066	Score	1275
Exons	1..1845		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52627	Strand	+
Start	1	End	2271
Name	OJ990824_14.9B08.C3.o1.gs	Method	GENSCAN
Start	54	End	2271
GI	none	Score	.54
Exons	54..828, 1078..1371, 2207..2271		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52628	Strand	-
Start	2532	End	7991
Name	OJ990824_14.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	6	End	419
GI	none	Score	287
Exons	6..419, 38..103		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52628	Strand	-
Start	2532	End	7991
Name	OJ990824_14.9B08.C3.o2.tm	Method	TBLASTX:Maize
Start	618	End	899
GI	none	Score	231
Exons	618..899, 747..896		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52628	Strand	-
Start	2532	End	7991
Name	OJ990824_14.9B08.C3.o2.tw	Method	TBLASTX:Wheat
Start	729	End	1118
GI	none	Score	234
Exons	729..1118, 978..1109		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52628	Strand	-
Start	2532	End	7991
Name	OJ990824_14.9B08.C3.o1.ts	Method	TBLASTX:Soybean
Start	891	End	1265
GI	none	Score	91
Exons	891..1034, 1041..1265		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52628	Strand	-
Start	2532	End	7991
Name	OJ990824_14.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	912	End	1250
GI	none	Score	359
Exons	912..1250, 980..1249		

Seq. No.	25381	Seq. ID	OJ990824_14.9B08.C3
Gene No.	52628	Strand	-
Start	2532	End	7991
Name	OJ990824_14.9B08.C3.o2.gs	Method	GENSCAN
Start	2532	End	7991
GI	none	Score	.45
Exons	2532..2543, 2573..2869, 3370..3935, 4204..5091, 5179..5309, 5439..5605, 5615..6061, 6507..6559, 7437..7530, 7902..7991		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o1.np	Method	AAT/NAP
Start	1766	End	5126
GI	4388818	Score	2363
Exons	1766..5126		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	1771	End	2197
GI	none	Score	132
Exons	1771..2016, 1773..2195, 1773..1874, 1775..2197		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o2.ts	Method	TBLASTX:Soybean
Start	1775	End	2173
GI	none	Score	50
Exons	1775..1888, 1776..1874, 1890..2171, 1898..2173		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o2.tw	Method	TBLASTX:Wheat
Start	1799	End	2234
GI	none	Score	60
Exons	1799..1993, 1823..1990, 2018..2221, 2043..2234		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o2.tc	Method	TBLASTX:Cress
Start	1868	End	2386
GI	none	Score	58

Exons	1868..1984, 2000..2146, 2147..2227, 2246..2386		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	2253	End	2700
GI	none	Score	195
Exons	2253..2549, 2258..2569, 2547..2699, 2608..2700		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o3.tw	Method	TBLASTX:Wheat
Start	2348	End	2970
GI	none	Score	40
Exons	2348..2572, 2498..2554, 2529..2780, 2593..2727, 2820..2969, 2824..2970		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o3.tm	Method	TBLASTX:Maize
Start	2703	End	3141
GI	none	Score	161
Exons	2703..3131, 2836..3141		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o1.gp	Method	AAT/GAP
Start	2730	End	2972
GI	1621494	Score	422
Exons	2730..2972		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o1.ts	Method	TBLASTX:Soybean
Start	2753	End	3107
GI	none	Score	72
Exons	2753..3013, 2756..3013, 2763..3107, 2812..3087		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o3.tc	Method	TBLASTX:Cress
Start	2925	End	3131
GI	none	Score	76
Exons	2925..3128, 2925..3131		
Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o1.tw	Method	TBLASTX:Wheat

Start	2971	End	3408
GI	none	Score	420
Exons	2971..3387, 2972..3346, 2973..3398, 3154..3408		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o1.tc	Method	TBLASTX:Cress
Start	3588	End	3980
GI	none	Score	83
Exons	3588..3755, 3631..3747, 3762..3980		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o3.ts	Method	TBLASTX:Soybean
Start	3621	End	4074
GI	none	Score	73
Exons	3621..3758, 3744..3974, 3814..3969, 3976..4074		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o4.tm	Method	TBLASTX:Maize
Start	3684	End	4089
GI	none	Score	70
Exons	3684..3749, 3765..3980, 3769..3924, 3964..4089, 4007..4087		

Seq. No.	25382	Seq. ID	OJ990824_14.9B08.C4
Gene No.	52629	Strand	-
Start	1766	End	5126
Name	OJ990824_14.9B08.C4.o4.tw	Method	TBLASTX:Wheat
Start	3684	End	4218
GI	none	Score	61
Exons	3684..3746, 3843..3974, 3976..4218, 3977..4186		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52630	Strand	+
Start	1	End	4345
Name	OJ990824_14.9B08.C6.o1.np	Method	AAT/NAP
Start	1	End	127
GI	5852182	Score	109
Exons	1..127		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52630	Strand	+
Start	1	End	4345
Name	OJ990824_14.9B08.C6.o2.np	Method	AAT/NAP
Start	1	End	3106
GI	4680203	Score	2897
Exons	1..1471, 1625..1855, 2131..3106		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52630	Strand	+
Start	1	End	4345

Name	OJ990824_14.9B08.C6.o1.gs	Method	GENSCAN
Start	35	End	4345
GI	none	Score	.62
Exons	35..523, 746..1087, 1133..1685, 2036..2153, 2659..3076, 3860..3941, 4011..4345		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o4.tw	Method	TBLASTX:Wheat
Start	113	End	500
GI	none	Score	97
Exons	113..256, 135..242, 239..490, 247..489, 248..490, 250..492, 258..500		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o1.ts	Method	TBLASTX:Soybean
Start	421	End	850
GI	none	Score	103
Exons	421..504, 422..496, 554..850, 586..837		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o2.tc	Method	TBLASTX:Cress
Start	583	End	931
GI	none	Score	285
Exons	583..657, 590..931, 793..927		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o2.tw	Method	TBLASTX:Wheat
Start	719	End	1188
GI	none	Score	73
Exons	719..775, 727..771, 772..873, 773..877, 773..895, 881..979, 886..972, 889..981, 959..1183, 979..1188, 980..1183, 1027..1188		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	764	End	1219
GI	none	Score	237
Exons	764..1018, 776..1018, 1028..1219		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o2.ts	Method	TBLASTX:Soybean
Start	1052	End	1294
GI	none	Score	194
Exons	1052..1294		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6

Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o3.tw	Method	TBLASTX:Wheat
Start	1327	End	1732
GI	none	Score	87
Exons	1327..1377, 1328..1390, 1376..1618, 1391..1618, 1648..1731, 1651..1731, 1652..1732		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o2.tm	Method	TBLASTX:Maize
Start	1652	End	2127
GI	none	Score	183
Exons	1652..2017, 2017..2127		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o1.tw	Method	TBLASTX:Wheat
Start	1737	End	3052
GI	none	Score	62
Exons	1737..1919, 1738..2010, 1739..2029, 1739..2011, 2020..2157, 2025..2216, 2036..2173, 2216..2653, 2218..2637, 2628..2693, 2648..2692, 2695..2790, 2699..2758, 2737..2862, 2738..2884, 2768..2869, 2806..2886, 2883..2954, 2891..2971, 2960..3052, 2986..3051		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o1.tc	Method	TBLASTX:Cress
Start	2025	End	2470
GI	none	Score	169
Exons	2025..2216, 2029..2157, 2063..2167, 2216..2470, 2218..2466, 2321..2470		

Seq. No.	25383	Seq. ID	OJ990824_14.9B08.C6
Gene No.	52631	Strand	+
Start	5424	End	8793
Name	OJ990824_14.9B08.C6.o3.np	Method	AAT/NAP
Start	5424	End	8793
GI	4680204	Score	597
Exons	5424..6713, 6805..7400, 8750..8793		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25384	Seq. ID	OJ990824_14.9B08.C9
Gene No.	52632	Strand	-
Start	1058	End	1129
Name	OJ990824_14.9B08.C9.o1.gs	Method	GENSCAN
Start	1058	End	1129
GI	none	Score	.83
Exons	1058..1129		

Seq. No.	25385	Seq. ID	OJ990824_14.9B08.C13
Gene No.	52633	Strand	+
Start	513	End	638

Name	OJ990824_14.9B08.C13.o1.gs	Method	GENSCAN
Start	513	End	638
GI	none	Score	.69
Exons	513..638		

Seq. No.	25386	Seq. ID	OJ990824_14.9B08.C14
Gene No.	52634	Strand	-
Start	1	End	2235
Name	OJ990824_14.9B08.C14.o1.np	Method	AAT/NAP
Start	1	End	2235
GI	6815052	Score	261
Exons	1..19, 130..553, 2205..2235		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o3.tw	Method	TBLASTX:Wheat
Start	2210	End	2762
GI	none	Score	34
Exons	2210..2245, 2370..2417, 2424..2522, 2429..2521, 2489..2728, 2505..2762		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o1.np	Method	AAT/NAP
Start	2221	End	5210
GI	6498441	Score	3119
Exons	2221..3285, 3616..4078, 4142..4515, 4699..5210		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o2.tm	Method	TBLASTX:Maize
Start	2412	End	2660
GI	none	Score	185
Exons	2412..2660, 2414..2659		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o2.tw	Method	TBLASTX:Wheat
Start	3501	End	3989
GI	none	Score	405
Exons	3501..3989, 3512..3673, 3695..3955		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o1.tw	Method	TBLASTX:Wheat
Start	4149	End	4612
GI	none	Score	224
Exons	4149..4592, 4150..4605, 4151..4612, 4151..4606		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o1.ts	Method	TBLASTX:Soybean
Start	4190	End	4555
GI	none	Score	118
Exons	4190..4414, 4421..4555		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o1.tm	Method	TBLASTX:Maize
Start	4280	End	4636
GI	none	Score	386
Exons	4280..4636, 4315..4626, 4331..4636		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o4.tw	Method	TBLASTX:Wheat
Start	4613	End	4852
GI	none	Score	260
Exons	4613..4852, 4621..4851		

Seq. No.	25387	Seq. ID	OJ990824_14.9B08.C15
Gene No.	52635	Strand	+
Start	2221	End	5210
Name	OJ990824_14.9B08.C15.o3.tm	Method	TBLASTX:Maize
Start	4663	End	4849
GI	none	Score	180
Exons	4663..4848, 4664..4849		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52636	Strand	+
Start	2774	End	20639
Name	OJ990824_14.9B08.C18.o2.gs	Method	GENSCAN
Start	2774	End	20639
GI	none	Score	.54
Exons	2774..2885, 2887..3049, 3569..3605, 4276..4466, 4810..4975, 5171..5425, 6185..6308, 8037..8141, 8454..8645, 8680..8746, 9166..9248, 13174..13422, 13534..13667, 13779..13926, 15876..15903, 16515..16569, 16614..16734, 16763..17094, 17235..17647, 17730..17852, 17985..18431, 18997..19238, 19263..19794, 19910..20133, 20146..20639		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52636	Strand	+
Start	2774	End	20639
Name	OJ990824_14.9B08.C18.o1.np	Method	AAT/NAP
Start	16689	End	20633
GI	4378066	Score	1426
Exons	16689..17052, 17555..20633		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52637	Strand	-
Start	568	End	1934
Name	OJ990824_14.9B08.C18.o1.gs	Method	GENSCAN
Start	568	End	1934
GI	none	Score	.78
Exons	568..729, 1764..1934		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o3.tm	Method	TBLASTX:Maize
Start	14244	End	14615
GI	none	Score	226
Exons	14244..14615, 14297..14515		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o5.tw	Method	TBLASTX:Wheat
Start	17731	End	18021
GI	none	Score	178
Exons	17731..18021		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o4.tw	Method	TBLASTX:Wheat
Start	18891	End	21559
GI	none	Score	76
Exons	18891..19016, 19055..19243, 19135..19239, 21482..21559		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o2.tw	Method	TBLASTX:Wheat
Start	19436	End	19781
GI	none	Score	237
Exons	19436..19717, 19519..19704, 19716..19781		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o2.tm	Method	TBLASTX:Maize
Start	19565	End	19913
GI	none	Score	151
Exons	19565..19717, 19570..19713, 19619..19717, 19650..19718, 19699..19770, 19716..19913, 19716..19859, 19718..19912		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o1.tw	Method	TBLASTX:Wheat
Start	19782	End	20201
GI	none	Score	432
Exons	19782..20201, 19784..19951		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o1.tm	Method	TBLASTX:Maize
Start	19941	End	20324
GI	none	Score	377
Exons	19941..20324, 19962..20219, 20051..20311		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o1.ts	Method	TBLASTX:Soybean
Start	20043	End	20444
GI	none	Score	270
Exons	20043..20444		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o3.tw	Method	TBLASTX:Wheat
Start	20202	End	20417
GI	none	Score	217
Exons	20202..20417		

Seq. No.	25388	Seq. ID	OJ990824_14.9B08.C18
Gene No.	52638	Strand	-
Start	21391	End	22263
Name	OJ990824_14.9B08.C18.o3.gs	Method	GENSCAN
Start	21391	End	22263
GI	none	Score	.4
Exons	21391..21414, 21764..21878, 22061..22263		

Seq. No.	25389	Seq. ID	OJ990824_14.9B08.C21
Gene No.	52639	Strand	+
Start	1	End	1909
Name	OJ990824_14.9B08.C21.o1.np	Method	AAT/NAP
Start	1	End	1885
GI	5902445	Score	600
Exons	1..394, 597..929, 969..1885		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25389	Seq. ID	OJ990824_14.9B08.C21
Gene No.	52639	Strand	+
Start	1	End	1909
Name	OJ990824_14.9B08.C21.o1.tm	Method	TBLASTX:Maize
Start	615	End	1055
GI	none	Score	183
Exons	615..923, 981..1055		

Seq. No.	25389	Seq. ID	OJ990824_14.9B08.C21
Gene No.	52639	Strand	+
Start	1	End	1909
Name	OJ990824_14.9B08.C21.o2.ts	Method	TBLASTX:Soybean
Start	984	End	1304
GI	none	Score	220
Exons	984..1187, 993..1304, 1010..1204		

Seq. No.	25389	Seq. ID	OJ990824_14.9B08.C21
Gene No.	52639	Strand	+
Start	1	End	1909
Name	OJ990824_14.9B08.C21.o1.tw	Method	TBLASTX:Wheat
Start	1454	End	1870
GI	none	Score	93
Exons	1454..1594, 1646..1870		

Seq. No.	25389	Seq. ID	OJ990824_14.9B08.C21
Gene No.	52639	Strand	+
Start	1	End	1909
Name	OJ990824_14.9B08.C21.o1.ts	Method	TBLASTX:Soybean
Start	1646	End	1891
GI	none	Score	249
Exons	1646..1891, 1690..1776, 1846..1887		

Seq. No.	25389	Seq. ID	OJ990824_14.9B08.C21
Gene No.	52639	Strand	+
Start	1	End	1909
Name	OJ990824_14.9B08.C21.o2.tm	Method	TBLASTX:Maize
Start	1664	End	1909
GI	none	Score	97
Exons	1664..1741, 1727..1795, 1793..1903, 1811..1909		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52640	Strand	+
Start	10089	End	10171
Name	OJ990824_14.9B08.C22.o1.gp	Method	AAT/GAP
Start	10089	End	10171
GI	none	Score	86
Exons	10089..10171		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52641	Strand	+
Start	11093	End	11921
Name	OJ990824_14.9B08.C22.o2.np	Method	AAT/NAP
Start	11093	End	11921
GI	6967112	Score	305
Exons	11093..11225, 11290..11921		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52642	Strand	+
Start	12097	End	12483
Name	OJ990824_14.9B08.C22.o3.gp	Method	AAT/GAP
Start	12097	End	12483
GI	25857_1.R1084	Score	537
Exons	12097..12210, 12290..12483		
GI Descrip.	'1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52643	Strand	-
Start	3222	End	8603
Name	OJ990824_14.9B08.C22.o1.np	Method	AAT/NAP
Start	3222	End	8603
GI	6630696	Score	621

Exons	3222..3253, 5495..6304, 8575..8603		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52644	Strand	-
Start	11781	End	12039
Name	OJ990824_14.9B08.C22.o2.gp	Method	AAT/GAP
Start	11781	End	12039
GI	LIB3479-011-Q6-K1-B8	Score	428
Exons	11781..12039		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 6.0e-34 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o2.tw	Method	TBLASTX:Wheat
Start	5496	End	6124
GI	none	Score	49
Exons	5496..5537, 5522..5587, 5542..5595, 5602..5637, 5649..5741, 5652..5765, 5828..5953, 5833..5949, 5858..5953, 5954..6100, 5954..6103, 5985..6104, 6089..6124		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o3.tm	Method	TBLASTX:Maize
Start	10097	End	12446
GI	none	Score	85
Exons	10097..10159, 10103..10171, 10104..10172, 10164..10199, 12096..12206, 12096..12203, 12288..12443, 12289..12444, 12309..12446		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o6.tm	Method	TBLASTX:Maize
Start	10707	End	10890
GI	none	Score	69
Exons	10707..10772, 10749..10889, 10752..10889, 10753..10890		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o2.tm	Method	TBLASTX:Maize
Start	10902	End	11184
GI	none	Score	335
Exons	10902..11183, 10904..11179, 10917..11183, 10918..11184		

Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o1.ts	Method	TBLASTX:Soybean
Start	11260	End	11619
GI	none	Score	166

Exons	11260..11457, 11458..11619		
Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o1.tm	Method	TBLASTX:Maize
Start	11287	End	11628
GI	none	Score	215
Exons	11287..11448, 11292..11459, 11293..11457, 11457..11627, 11457..11627, 11458..11628		
Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o1.tw	Method	TBLASTX:Wheat
Start	11337	End	11706
GI	none	Score	129
Exons	11337..11453, 11341..11457, 11457..11678, 11457..11678, 11458..11706, 11461..11679		
Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o5.tm	Method	TBLASTX:Maize
Start	11652	End	11904
GI	none	Score	148
Exons	11652..11843, 11652..11804, 11653..11868, 11653..11904		
Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o4.tm	Method	TBLASTX:Maize
Start	12451	End	16440
GI	none	Score	103
Exons	12451..12549, 12525..12590, 12670..12753, 12687..12734, 12845..12868, 15958..16206, 16033..16155, 16225..16440, 16266..16430		
Seq. No.	25390	Seq. ID	OJ990824_14.9B08.C22
Gene No.	52645	Strand	-
Start	14271	End	16440
Name	OJ990824_14.9B08.C22.o3.np	Method	AAT/NAP
Start	14271	End	15170
GI	5852178	Score	444
Exons	14271..14373, 14737..14833, 14865..15170		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	25391	Seq. ID	OJ990824_14.9B08.C23
Gene No.	52646	Strand	-
Start	477	End	704
Name	OJ990824_14.9B08.C23.o1.gs	Method	GENSCAN
Start	477	End	704
GI	none	Score	.81
Exons	477..704		
Seq. No.	25392	Seq. ID	OJ990824_14.9B08.C24
Gene No.	52647	Strand	+

Start	401	End	669
Name	OJ990824_14.9B08.C24.o1.np	Method	AAT/NAP
Start	401	End	669
GI	1419125	Score	144
Exons	401..669		
GI Descrip.	(Z75515) reverse transcriptase [Oryza sativa]		

Seq. No.	25392	Seq. ID	OJ990824_14.9B08.C24
Gene No.	52647	Strand	+
Start	401	End	669
Name	OJ990824_14.9B08.C24.o1.gp	Method	AAT/GAP
Start	557	End	654
GI	1621494	Score	149
Exons	557..654		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	25393	Seq. ID	OJ990824_16.9B01.C2
Gene No.	52648	Strand	+
Start	417	End	700
Name	OJ990824_16.9B01.C2.o1.gs	Method	GENSCAN
Start	417	End	700
GI	none	Score	.66
Exons	417..700		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52649	Strand	+
Start	77	End	1061
Name	OJ990824_16.9B01.C4.o1.gs	Method	GENSCAN
Start	77	End	1061
GI	none	Score	.56
Exons	77..182, 231..370, 998..1061		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52650	Strand	+
Start	8400	End	9643
Name	OJ990824_16.9B01.C4.o3.np	Method	AAT/NAP
Start	8400	End	9643
GI	6466937	Score	658
Exons	8400..8978, 9125..9643		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52651	Strand	-
Start	1675	End	5737
Name	OJ990824_16.9B01.C4.o2.gs	Method	GENSCAN
Start	1675	End	2799
GI	none	Score	.86
Exons	1675..2799		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52651	Strand	-
Start	1675	End	5737
Name	OJ990824_16.9B01.C4.o1.np	Method	AAT/NAP
Start	1678	End	5737
GI	4206306	Score	2959

Exons	1678..3177, 3218..5601, 5692..5737		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52651	Strand	-
Start	1675	End	5737
Name	OJ990824_16.9B01.C4.o3.gs	Method	GENSCAN
Start	3233	End	5542
GI	none	Score	.83
Exons	3233..3498, 3680..3814, 3967..4238, 4281..4795, 4829..5542		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o8.tm	Method	TBLASTX:Maize
Start	1729	End	1989
GI	none	Score	81
Exons	1729..1989, 1754..1888		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o7.tm	Method	TBLASTX:Maize
Start	1996	End	2232
GI	none	Score	201
Exons	1996..2232		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o5.tw	Method	TBLASTX:Wheat
Start	2167	End	2568
GI	none	Score	158
Exons	2167..2361, 2353..2568		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o3.ts	Method	TBLASTX:Soybean
Start	2254	End	2628
GI	none	Score	70
Exons	2254..2478, 2261..2479, 2485..2628		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o3.tm	Method	TBLASTX:Maize
Start	2269	End	2631
GI	none	Score	243
Exons	2269..2631, 2270..2533		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o5.tm	Method	TBLASTX:Maize
Start	2632	End	2898
GI	none	Score	99

Exons	2632..2898, 2633..2854		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o9.tm	Method	TBLASTX:Maize
Start	2929	End	3165
GI	none	Score	183
Exons	2929..3165		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o4.tw	Method	TBLASTX:Wheat
Start	3291	End	3682
GI	none	Score	62
Exons	3291..3431, 3296..3436, 3432..3644, 3473..3682		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o2.ts	Method	TBLASTX:Soybean
Start	3890	End	4222
GI	none	Score	66
Exons	3890..4222, 4029..4172		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o2.tw	Method	TBLASTX:Wheat
Start	3890	End	4267
GI	none	Score	171
Exons	3890..4267, 3954..4214		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o2.tm	Method	TBLASTX:Maize
Start	3941	End	4324
GI	none	Score	169
Exons	3941..4324, 3954..4214		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o1.tm	Method	TBLASTX:Maize
Start	4352	End	4709
GI	none	Score	257
Exons	4352..4708, 4353..4709		
Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o1.tw	Method	TBLASTX:Wheat
Start	4382	End	4810
GI	none	Score	283
Exons	4382..4810, 4383..4787		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o7.tw	Method	TBLASTX:Wheat
Start	5042	End	5422
GI	none	Score	67
Exons	5042..5242, 5315..5422		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52652	Strand	-
Start	5677	End	8304
Name	OJ990824_16.9B01.C4.o4.gs	Method	GENSCAN
Start	5677	End	8304
GI	none	Score	.46
Exons	5677..6016, 6100..6284, 6447..6958, 7098..7331, 7557..7796, 8238..8304		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52653	Strand	
Start	8322	End	9638
Name	OJ990824_16.9B01.C4.o3.tw	Method	TBLASTX:Wheat
Start	8322	End	8716
GI	none	Score	263
Exons	8322..8663, 8402..8668, 8672..8716		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52653	Strand	
Start	8322	End	9638
Name	OJ990824_16.9B01.C4.o4.tm	Method	TBLASTX:Maize
Start	8550	End	9329
GI	none	Score	75
Exons	8550..8663, 8672..8764, 8727..8978, 8734..8979, 9126..9329, 9164..9328		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52653	Strand	
Start	8322	End	9638
Name	OJ990824_16.9B01.C4.o1.ts	Method	TBLASTX:Soybean
Start	8687	End	8952
GI	none	Score	58
Exons	8687..8719, 8724..8945, 8728..8952		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52653	Strand	
Start	8322	End	9638
Name	OJ990824_16.9B01.C4.o6.tw	Method	TBLASTX:Wheat
Start	9180	End	9560
GI	none	Score	184
Exons	9180..9380, 9423..9560		

Seq. No.	25394	Seq. ID	OJ990824_16.9B01.C4
Gene No.	52653	Strand	
Start	8322	End	9638
Name	OJ990824_16.9B01.C4.o6.tm	Method	TBLASTX:Maize
Start	9393	End	9638
GI	none	Score	215

Exons	9393..9638		
Seq. No.	25395	Seq. ID	OJ990824_16.9B01.C5
Gene No.	52654	Strand	+
Start	440	End	528
Name	OJ990824_16.9B01.C5.o1.gs	Method	GENSCAN
Start	440	End	528
GI	none	Score	.68
Exons	440..528		
Seq. No.	25396	Seq. ID	OJ990824_16.9B01.C6
Gene No.	52655	Strand	+
Start	505	End	703
Name	OJ990824_16.9B01.C6.o1.gp	Method	AAT/GAP
Start	505	End	703
GI	2311321	Score	360
Exons	505..703		
Seq. No.	25396	Seq. ID	OJ990824_16.9B01.C6
Gene No.	52656	Strand	-
Start	316	End	557
Name	OJ990824_16.9B01.C6.o1.gs	Method	GENSCAN
Start	316	End	557
GI	none	Score	.7
Exons	316..557		
Seq. No.	25397	Seq. ID	OJ990824_16.9B01.C7
Gene No.	52657	Strand	-
Start	2139	End	2327
Name	OJ990824_16.9B01.C7.o2.gs	Method	GENSCAN
Start	2139	End	2327
GI	none	Score	.86
Exons	2139..2327		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52658	Strand	+
Start	9	End	1994
Name	OJ990824_16.9B01.C8.o1.gs	Method	GENSCAN
Start	9	End	1994
GI	none	Score	.43
Exons	9..75, 881..963, 1073..1184, 1624..1803, 1864..1994		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52659	Strand	+
Start	2532	End	6969
Name	OJ990824_16.9B01.C8.o2.gs	Method	GENSCAN
Start	2532	End	6837
GI	none	Score	.45
Exons	2532..2679, 2881..3264, 3380..3516, 4672..5343, 5736..6088, 6113..6290, 6387..6837		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52659	Strand	+
Start	2532	End	6969
Name	OJ990824_16.9B01.C8.o1.gp	Method	AAT/GAP
Start	3958	End	4054
GI	LIB3433-026-P1-K1-C1	Score	133

Exons	3958..4054		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52659	Strand	+
Start	2532	End	6969
Name	OJ990824_16.9B01.C8.o2.np	Method	AAT/NAP
Start	4672	End	5468
GI	4512231	Score	1289
Exons	4672..5468		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52659	Strand	+
Start	2532	End	6969
Name	OJ990824_16.9B01.C8.o3.np	Method	AAT/NAP
Start	5691	End	6969
GI	4680179	Score	988
Exons	5691..6752, 6780..6969		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o1.np	Method	AAT/NAP
Start	532	End	6057
GI	4680179	Score	2287
Exons	532..2006, 3082..3148, 5963..6057		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o3.tw	Method	TBLASTX:Wheat
Start	589	End	910
GI	none	Score	93
Exons	589..909, 631..882, 695..910		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o1.tm	Method	TBLASTX:Maize
Start	757	End	1340
GI	none	Score	163
Exons	757..1035, 770..1030, 1011..1184, 1129..1182, 1182..1340, 1189..1335		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o1.tw	Method	TBLASTX:Wheat
Start	910	End	1523
GI	none	Score	68
Exons	910..1035, 911..1033, 1038..1523, 1089..1376, 1129..1518		
Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8

Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o2.tm	Method	TBLASTX:Maize
Start	1392	End	1683
GI	none	Score	85
Exons	1392..1682, 1394..1681, 1396..1683		

Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o1.ts	Method	TBLASTX:Soybean
Start	1482	End	1742
GI	none	Score	132
Exons	1482..1742, 1483..1737		

Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o2.tw	Method	TBLASTX:Wheat
Start	1530	End	2006
GI	none	Score	284
Exons	1530..2006, 1531..1911		

Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52660	Strand	-
Start	532	End	6101
Name	OJ990824_16.9B01.C8.o5.tw	Method	TBLASTX:Wheat
Start	5903	End	6101
GI	none	Score	198
Exons	5903..6100, 5919..6101		

Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52661	Strand	
Start	6150	End	6503
Name	OJ990824_16.9B01.C8.o4.tw	Method	TBLASTX:Wheat
Start	6150	End	6503
GI	none	Score	306
Exons	6150..6398, 6153..6503		

Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52661	Strand	
Start	6150	End	6503
Name	OJ990824_16.9B01.C8.o3.tm	Method	TBLASTX:Maize
Start	6153	End	6491
GI	none	Score	235
Exons	6153..6491, 6153..6398		

Seq. No.	25398	Seq. ID	OJ990824_16.9B01.C8
Gene No.	52662	Strand	
Start	6669	End	6920
Name	OJ990824_16.9B01.C8.o6.tw	Method	TBLASTX:Wheat
Start	6669	End	6920
GI	none	Score	85
Exons	6669..6791, 6683..6724, 6777..6920, 6824..6919		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52663	Strand	+

Start	1	End	3187
Name	OJ990824_16.9B01.C9.o1.np	Method	AAT/NAP
Start	1	End	3187
GI	4680179	Score	4590
Exons	1..3187		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52664	Strand	+
Start	3520	End	10860
Name	OJ990824_16.9B01.C9.o5.np	Method	AAT/NAP
Start	3520	End	10860
GI	5852180	Score	581
Exons	3520..3633, 8312..8364, 9355..9471, 9523..9878, 10043..10096, 10798..10860		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52664	Strand	+
Start	3520	End	10860
Name	OJ990824_16.9B01.C9.o2.np	Method	AAT/NAP
Start	3885	End	4801
GI	5852178	Score	439
Exons	3885..4188, 4220..4332, 4707..4801		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52664	Strand	+
Start	3520	End	10860
Name	OJ990824_16.9B01.C9.o1.gp	Method	AAT/GAP
Start	4909	End	5288
GI	2427387	Score	501
Exons	4909..5288		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52664	Strand	+
Start	3520	End	10860
Name	OJ990824_16.9B01.C9.o2.gp	Method	AAT/GAP
Start	5913	End	6088
GI	LIB3433-026-P1-K1-C1	Score	248
Exons	5913..6088		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52664	Strand	+
Start	3520	End	10860
Name	OJ990824_16.9B01.C9.o4.np	Method	AAT/NAP
Start	7184	End	9246
GI	6721561	Score	84
Exons	7184..7290, 9188..9246		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52665	Strand	+
Start	11120	End	11209
Name	OJ990824_16.9B01.C9.o5.gp	Method	AAT/GAP
Start	11120	End	11209
GI	uC-osflcyp088b12b1	Score	135
Exons	11120..11209		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o7.tw	Method	TBLASTX:Wheat
Start	41	End	346
GI	none	Score	129
Exons	41..253, 100..168, 260..346, 268..345		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o6.tm	Method	TBLASTX:Maize
Start	221	End	412
GI	none	Score	185
Exons	221..412, 259..366		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o4.tw	Method	TBLASTX:Wheat
Start	349	End	832
GI	none	Score	524
Exons	349..789, 350..832, 374..829		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o4.ts	Method	TBLASTX:Soybean
Start	386	End	700
GI	none	Score	187
Exons	386..700		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o4.tm	Method	TBLASTX:Maize
Start	415	End	862
GI	none	Score	362
Exons	415..657, 419..862		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o1.ts	Method	TBLASTX:Soybean
Start	773	End	12019

GI	none	Score	57
Exons	773..805, 773..805, 809..862, 811..852, 917..1168, 925..1158, 11915..12019, 11916..12017		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o5.tm	Method	TBLASTX:Maize
Start	917	End	12049
GI	none	Score	309
Exons	917..1249, 970..1248, 11828..12049, 11835..11864, 11931..12020		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o5.tw	Method	TBLASTX:Wheat
Start	920	End	12023
GI	none	Score	373
Exons	920..1183, 922..1182, 11900..12019, 11901..12020, 11931..12023		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o3.tw	Method	TBLASTX:Wheat
Start	1184	End	11899
GI	none	Score	591
Exons	1184..1609, 1186..1602, 1259..1609, 11474..11821, 11474..11899, 11481..11861		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o3.ts	Method	TBLASTX:Soybean
Start	1190	End	11890
GI	none	Score	207
Exons	1190..1438, 11648..11890		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o2.tm	Method	TBLASTX:Maize
Start	1256	End	11827
GI	none	Score	456
Exons	1256..1609, 1261..1602, 11464..11775, 11469..11822, 11474..11827, 11481..11825		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o2.tw	Method	TBLASTX:Wheat
Start	1637	End	2176
GI	none	Score	610
Exons	1637..2176, 1678..2172, 1895..2176		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160

Name	OJ990824_16.9B01.C9.o1.tc	Method	TBLASTX:Cress
Start	1874	End	2200
GI	none	Score	90
Exons	1874..2056, 1904..2056, 2057..2200, 2059..2199		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o2.ts	Method	TBLASTX:Soybean
Start	1964	End	2224
GI	none	Score	301
Exons	1964..2224, 1975..2223		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o3.tm	Method	TBLASTX:Maize
Start	2023	End	2314
GI	none	Score	402
Exons	2023..2310, 2024..2314, 2156..2311		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o1.tw	Method	TBLASTX:Wheat
Start	2183	End	2809
GI	none	Score	708
Exons	2183..2809, 2185..2688, 2186..2800, 2749..2808		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o1.tm	Method	TBLASTX:Maize
Start	2362	End	2947
GI	none	Score	223
Exons	2362..2517, 2363..2524, 2521..2682, 2522..2947, 2684..2926, 2749..2946		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o6.tw	Method	TBLASTX:Wheat
Start	2809	End	3142
GI	none	Score	310
Exons	2809..3024, 2810..3142		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o2.gs	Method	GENSCAN
Start	3955	End	11773
GI	none	Score	.68
Exons	3955..4081, 4101..4478, 5587..5710, 6161..6366, 7106..7419, 9065..9121, 9376..9515, 9679..10134, 10439..10467, 11385..11773		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-

Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o3.np	Method	AAT/NAP
Start	7062	End	11112
GI	4680183	Score	132
Exons	7062..7183, 11088..11112		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o3.gp	Method	AAT/GAP
Start	8214	End	8599
GI	uC-osf1cyp033a04b1	Score	637
Exons	8214..8599		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o6.np	Method	AAT/NAP
Start	11337	End	14160
GI	4680179	Score	1032
Exons	11337..12071, 14113..14160		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o8.np	Method	AAT/NAP
Start	12123	End	14160
GI	6721561	Score	113
Exons	12123..12439, 14072..14160		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o3.gs	Method	GENSCAN
Start	12138	End	13100
GI	none	Score	.87
Exons	12138..13100		

Seq. No.	25399	Seq. ID	OJ990824_16.9B01.C9
Gene No.	52666	Strand	-
Start	3955	End	14160
Name	OJ990824_16.9B01.C9.o7.np	Method	AAT/NAP
Start	12141	End	13034
GI	5042448	Score	913
Exons	12141..12448, 12479..13034		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	25400	Seq. ID	OJ990824_16.9B01.C10
Gene No.	52667	Strand	-
Start	2106	End	3803
Name	OJ990824_16.9B01.C10.o1.gs	Method	GENSCAN
Start	2106	End	3803
GI	none	Score	.64
Exons	2106..3359, 3738..3803		

Seq. No.	25401	Seq. ID	OJ990824_16.9B01.C12
Gene No.	52668	Strand	-
Start	339	End	449
Name	OJ990824_16.9B01.C12.o1.gs	Method	GENSCAN
Start	339	End	449
GI	none	Score	.47
Exons	339..449		

Seq. No.	25402	Seq. ID	OJ990824_16.9B01.C14
Gene No.	52669	Strand	-
Start	1	End	439
Name	OJ990824_16.9B01.C14.o1.np	Method	AAT/NAP
Start	1	End	439
GI	4206306	Score	378
Exons	1..439		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	25402	Seq. ID	OJ990824_16.9B01.C14
Gene No.	52669	Strand	-
Start	1	End	439
Name	OJ990824_16.9B01.C14.o1.tw	Method	TBLASTX:Wheat
Start	43	End	432
GI	none	Score	54
Exons	43..225, 52..183, 268..432		

Seq. No.	25402	Seq. ID	OJ990824_16.9B01.C14
Gene No.	52669	Strand	-
Start	1	End	439
Name	OJ990824_16.9B01.C14.o1.tm	Method	TBLASTX:Maize
Start	82	End	438
GI	none	Score	44
Exons	82..438, 83..175, 265..414		

Seq. No.	25403	Seq. ID	OJ990824_16.9B01.C15
Gene No.	52670	Strand	+
Start	40	End	94
Name	OJ990824_16.9B01.C15.o1.gs	Method	GENSCAN
Start	40	End	94
GI	none	Score	.79
Exons	40..94		

Seq. No.	25404	Seq. ID	OJ990824_16.9B01.C16
Gene No.	52671	Strand	+
Start	110	End	125
Name	OJ990824_16.9B01.C16.o1.gs	Method	GENSCAN
Start	110	End	125
GI	none	Score	.68
Exons	110..125		

Seq. No.	25405	Seq. ID	OJ990824_16.9B01.C18
Gene No.	52672	Strand	-
Start	82	End	396
Name	OJ990824_16.9B01.C18.o1.gs	Method	GENSCAN
Start	82	End	396
GI	none	Score	.65
Exons	82..274, 367..396		

Seq. No.	25406	Seq. ID	OJ990824_16.9B01.C20
Gene No.	52673	Strand	+
Start	1140	End	1200
Name	OJ990824_16.9B01.C20.o1.gs	Method	GENSCAN
Start	1140	End	1200
GI	none	Score	.62
Exons	1140..1200		

Seq. No.	25406	Seq. ID	OJ990824_16.9B01.C20
Gene No.	52674	Strand	-
Start	796	End	1180
Name	OJ990824_16.9B01.C20.o1.gp	Method	AAT/GAP
Start	796	End	1180
GI	uC-osflcyp033a04b1	Score	678
Exons	796..1180		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	25407	Seq. ID	OJ990824_16.9B01.C21
Gene No.	52675	Strand	+
Start	1947	End	5313
Name	OJ990824_16.9B01.C21.o1.gs	Method	GENSCAN
Start	1947	End	5313
GI	none	Score	.69
Exons	1947..2026, 5210..5313		

Seq. No.	25407	Seq. ID	OJ990824_16.9B01.C21
Gene No.	52675	Strand	+
Start	1947	End	5313
Name	OJ990824_16.9B01.C21.o1.gp	Method	AAT/GAP
Start	3251	End	3506
GI	61605_3.R1084	Score	374
Exons	3251..3506		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	25407	Seq. ID	OJ990824_16.9B01.C21
Gene No.	52676	Strand	-
Start	3897	End	5363
Name	OJ990824_16.9B01.C21.o2.np	Method	AAT/NAP
Start	3897	End	5363
GI	6063554	Score	123
Exons	3897..4068, 5280..5363		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25407	Seq. ID	OJ990824_16.9B01.C21
Gene No.	52676	Strand	-

Start	3897	End	5363
Name	OJ990824_16.9B01.C21.o3.np	Method	AAT/NAP
Start	5252	End	5363
GI	5922636	Score	109
Exons	5252..5363		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25408	Seq. ID	OJ990824_16.9B01.C22
Gene No.	52677	Strand	-
Start	1	End	423
Name	OJ990824_16.9B01.C22.o1.np	Method	AAT/NAP
Start	1	End	320
GI	5922636	Score	279
Exons	1..320		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25408	Seq. ID	OJ990824_16.9B01.C22
Gene No.	52677	Strand	-
Start	1	End	423
Name	OJ990824_16.9B01.C22.o1.gs	Method	GENSCAN
Start	3	End	423
GI	none	Score	.72
Exons	3..143, 241..387, 412..423		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52678	Strand	-
Start	21	End	8457
Name	OJ990824_16.9B01.C23.o1.gs	Method	GENSCAN
Start	21	End	8457
GI	none	Score	.45
Exons	21..343, 433..508, 581..843, 2616..2727, 2772..2863, 2956..3079, 4031..4288, 4457..4584, 4681..7023, 7261..7541, 7659..7948, 8059..8457		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52678	Strand	-
Start	21	End	8457
Name	OJ990824_16.9B01.C23.o1.np	Method	AAT/NAP
Start	3896	End	8457
GI	4680179	Score	7713
Exons	3896..8457		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o3.tw	Method	TBLASTX:Wheat
Start	126	End	5386
GI	none	Score	206

Exons	126..212, 4907..5386, 4908..5162, 5017..5163, 5021..5353		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o6.tw	Method	TBLASTX:Wheat
Start	3906	End	4274
GI	none	Score	36
Exons	3906..3959, 3941..4273, 3962..4123, 4065..4181, 4166..4246, 4203..4274		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o6.tm	Method	TBLASTX:Maize
Start	3920	End	4117
GI	none	Score	197
Exons	3920..4117		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o1.tm	Method	TBLASTX:Maize
Start	4121	End	4720
GI	none	Score	243
Exons	4121..4561, 4134..4559, 4559..4720, 4566..4712		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o1.tw	Method	TBLASTX:Wheat
Start	4274	End	4900
GI	none	Score	334
Exons	4274..4900, 4275..4898		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o4.tm	Method	TBLASTX:Maize
Start	4769	End	5059
GI	none	Score	216
Exons	4769..5059, 4773..5036		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o2.ts	Method	TBLASTX:Soybean
Start	4859	End	5119
GI	none	Score	137
Exons	4859..5119, 4860..5114		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o1.tc	Method	TBLASTX:Cress
Start	4883	End	5200
GI	none	Score	79

Exons	4883..5026, 4884..5024, 5027..5200		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o2.tw	Method	TBLASTX:Wheat
Start	5390	End	5899
GI	none	Score	239
Exons	5390..5899, 5474..5821, 5556..5867		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o2.tm	Method	TBLASTX:Maize
Start	5462	End	5827
GI	none	Score	157
Exons	5462..5773, 5469..5666, 5474..5827, 5559..5825		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o3.ts	Method	TBLASTX:Soybean
Start	5648	End	5893
GI	none	Score	202
Exons	5648..5893		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o3.tm	Method	TBLASTX:Maize
Start	5864	End	6364
GI	none	Score	43
Exons	5864..6199, 5907..5957, 5982..6113, 6185..6364		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o5.tw	Method	TBLASTX:Wheat
Start	5900	End	6202
GI	none	Score	236
Exons	5900..6202, 5901..6170, 6100..6201		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o1.ts	Method	TBLASTX:Soybean
Start	5915	End	6310
GI	none	Score	165
Exons	5915..6274, 5916..6170, 6194..6274, 6266..6310, 6278..6310		
Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o4.tw	Method	TBLASTX:Wheat
Start	6251	End	6733
GI	none	Score	176
Exons	6251..6733, 6260..6622, 6294..6629		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o5.tm	Method	TBLASTX:Maize
Start	6434	End	6721
GI	none	Score	154
Exons	6434..6721, 6435..6623		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o7.tw	Method	TBLASTX:Wheat
Start	6896	End	7312
GI	none	Score	99
Exons	6896..7078, 6897..7052, 7118..7312, 7164..7262		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o7.tm	Method	TBLASTX:Maize
Start	6995	End	7315
GI	none	Score	75
Exons	6995..7315, 7170..7262		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o8.tw	Method	TBLASTX:Wheat
Start	7832	End	8190
GI	none	Score	48
Exons	7832..7909, 7833..7895, 7894..8187, 7894..8190		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o2.gs	Method	GENSCAN
Start	8708	End	10386
GI	none	Score	.73
Exons	8708..9673, 10306..10386		

Seq. No.	25409	Seq. ID	OJ990824_16.9B01.C23
Gene No.	52679	Strand	-
Start	8708	End	10386
Name	OJ990824_16.9B01.C23.o2.np	Method	AAT/NAP
Start	8711	End	9607
GI	5042448	Score	1329
Exons	8711..8997, 9037..9607		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52680	Strand	+
Start	1952	End	5908
Name	OJ990824_16.9B01.C24.o2.np	Method	AAT/NAP
Start	1952	End	5908
GI	6063554	Score	611

Exons	1952..2052, 4234..4438, 4557..4760, 5697..5908		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52681	Strand	+
Start	6278	End	6525
Name	OJ990824_16.9B01.C24.o2.gp	Method	AAT/GAP
Start	6278	End	6525
GI	61605_3.R1084	Score	401
Exons	6278..6525		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o1.np	Method	AAT/NAP
Start	1	End	5253
GI	6466937	Score	979
Exons	1..29, 935..3476, 5204..5253		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o1.gs	Method	GENSCAN
Start	351	End	9072
GI	none	Score	.4
Exons	351..403, 527..766, 863..988, 1073..1358, 2151..2356, 2631..2970, 4422..4838, 5635..5717, 6567..6989, 7104..7152, 7619..7721, 8855..9072		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o1.tm	Method	TBLASTX:Maize
Start	957	End	7760
GI	none	Score	270
Exons	957..1445, 958..1446, 7404..7463, 7468..7602, 7469..7597, 7605..7760, 7606..7707		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o2.tw	Method	TBLASTX:Wheat
Start	1281	End	1629
GI	none	Score	69
Exons	1281..1547, 1549..1629		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o1.ts	Method	TBLASTX:Soybean
Start	1392	End	1735

GI	none	Score	70
Exons	1392..1547, 1402..1545, 1549..1629, 1661..1735		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o2.tm	Method	TBLASTX:Maize
Start	1664	End	2124
GI	none	Score	123
Exons	1664..1753, 1732..1923, 1739..1912, 1916..1993, 1983..2117, 1993..2124		

Seq. No.	25410	Seq. ID	OJ990824_16.9B01.C24
Gene No.	52682	Strand	-
Start	1	End	9072
Name	OJ990824_16.9B01.C24.o1.tw	Method	TBLASTX:Wheat
Start	1762	End	2165
GI	none	Score	79
Exons	1762..1917, 1778..1924, 1983..2165		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52683	Strand	+
Start	2483	End	3336
Name	OJ990824_16.9B01.C26.o1.gs	Method	GENSCAN
Start	2483	End	3336
GI	none	Score	.72
Exons	2483..2534, 2896..3003, 3173..3336		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o1.np	Method	AAT/NAP
Start	1150	End	5510
GI	6016874	Score	1596
Exons	1150..1170, 3084..3317, 3774..4136, 4254..4433, 4827..4986, 5377..5510		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o2.gs	Method	GENSCAN
Start	3793	End	4944
GI	none	Score	.43
Exons	3793..4944		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o1.tm	Method	TBLASTX:Maize
Start	3859	End	4102
GI	none	Score	97
Exons	3859..4092, 3944..4102		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26

Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o4.tm	Method	TBLASTX:Maize
Start	4214	End	4566
GI	none	Score	136
Exons	4214..4555, 4285..4566		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o3.tm	Method	TBLASTX:Maize
Start	4771	End	5085
GI	none	Score	104
Exons	4771..4998, 4772..4990, 4867..4995, 5011..5085		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o1.gp	Method	AAT/GAP
Start	4776	End	5284
GI	uC-osflcyp110c07b1	Score	958
Exons	4776..5284		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	25411	Seq. ID	OJ990824_16.9B01.C26
Gene No.	52684	Strand	-
Start	1150	End	5510
Name	OJ990824_16.9B01.C26.o2.tm	Method	TBLASTX:Maize
Start	5092	End	5373
GI	none	Score	263
Exons	5092..5373		

Seq. No.	25412	Seq. ID	OJ990824_16.9B01.C27
Gene No.	52685	Strand	+
Start	101	End	3923
Name	OJ990824_16.9B01.C27.o1.gs	Method	GENSCAN
Start	101	End	3830
GI	none	Score	.47
Exons	101..258, 274..361, 898..1092, 1764..1823, 2241..2343, 2466..2624, 2909..3258, 3630..3830		

Seq. No.	25412	Seq. ID	OJ990824_16.9B01.C27
Gene No.	52685	Strand	+
Start	101	End	3923
Name	OJ990824_16.9B01.C27.o2.np	Method	AAT/NAP
Start	2420	End	3923
GI	5669654	Score	103
Exons	2420..2665, 3892..3923		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	25412	Seq. ID	OJ990824_16.9B01.C27
Gene No.	52686	Strand	-
Start	1	End	382
Name	OJ990824_16.9B01.C27.o1.np	Method	AAT/NAP
Start	1	End	382

GI	6016874	Score	343
Exons	1..220, 304..382		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	25412	Seq. ID	OJ990824_16.9B01.C27
Gene No.	52687	Strand	-
Start	3964	End	4167
Name	OJ990824_16.9B01.C27.o1.tm	Method	TBLASTX:Maize
Start	2510	End	2626
GI	none	Score	185
Exons	2510..2620, 2516..2626		

Seq. No.	25412	Seq. ID	OJ990824_16.9B01.C27
Gene No.	52687	Strand	-
Start	3964	End	4167
Name	OJ990824_16.9B01.C27.o2.gs	Method	GENSCAN
Start	3964	End	4167
GI	none	Score	.97
Exons	3964..4167		

Seq. No.	25413	Seq. ID	OJ990824_16.9B01.C28
Gene No.	52688	Strand	+
Start	446	End	648
Name	OJ990824_16.9B01.C28.o1.gs	Method	GENSCAN
Start	446	End	648
GI	none	Score	.42
Exons	446..648		

Seq. No.	25413	Seq. ID	OJ990824_16.9B01.C28
Gene No.	52689	Strand	-
Start	1	End	763
Name	OJ990824_16.9B01.C28.o1.np	Method	AAT/NAP
Start	1	End	763
GI	6006359	Score	74
Exons	1..72, 609..763		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52690	Strand	+
Start	1	End	838
Name	OJ990824_16.9B01.C30.o1.np	Method	AAT/NAP
Start	1	End	832
GI	5921647	Score	729
Exons	1..19, 194..832		
GI Descrip.	(AF155332) flavonoid 3'-hydroxylase [Petunia x hybrida]		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52690	Strand	+
Start	1	End	838
Name	OJ990824_16.9B01.C30.o1.gs	Method	GENSCAN
Start	188	End	838
GI	none	Score	.4
Exons	188..838		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30

Gene No.	52691	Strand	-
Start	187	End	1159
Name	OJ990824_16.9B01.C30.o1.gp	Method	AAT/GAP
Start	187	End	1159
GI	27772_1.R1084	Score	1761
Exons	187..1159		
GI Descrip.	'5921647/gb|AAD56282.1|AF155332_1 1.0e-77 (AF155332) flavonoid 3''-hydroxylase [Petunia x hybrida]'		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52691	Strand	-
Start	187	End	1159
Name	OJ990824_16.9B01.C30.o1.ts	Method	TBLASTX:Soybean
Start	187	End	810
GI	none	Score	361
Exons	187..285, 191..556, 233..556, 571..810, 575..763		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52691	Strand	-
Start	187	End	1159
Name	OJ990824_16.9B01.C30.o1.tw	Method	TBLASTX:Wheat
Start	193	End	493
GI	none	Score	264
Exons	193..285, 194..493, 373..492		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52691	Strand	-
Start	187	End	1159
Name	OJ990824_16.9B01.C30.o1.tc	Method	TBLASTX:Cress
Start	194	End	715
GI	none	Score	338
Exons	194..556, 334..555, 574..714, 575..715		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52691	Strand	-
Start	187	End	1159
Name	OJ990824_16.9B01.C30.o1.tm	Method	TBLASTX:Maize
Start	194	End	754
GI	none	Score	384
Exons	194..556, 205..267, 215..538, 364..555, 372..572, 575..754, 575..706, 580..750		

Seq. No.	25414	Seq. ID	OJ990824_16.9B01.C30
Gene No.	52691	Strand	-
Start	187	End	1159
Name	OJ990824_16.9B01.C30.o2.tw	Method	TBLASTX:Wheat
Start	496	End	733
GI	none	Score	215
Exons	496..714, 497..733		

Seq. No.	25415	Seq. ID	OJ990824_16.9B01.C32
Gene No.	52692	Strand	+
Start	537	End	784
Name	OJ990824_16.9B01.C32.o1.gp	Method	AAT/GAP
Start	537	End	784
GI	3761181	Score	451
Exons	537..784		

GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	25416	Seq. ID	OJ990824_16.9B01.C33
Gene No.	52693	Strand	+
Start	403	End	755
Name	OJ990824_16.9B01.C33.o1.gs	Method	GENSCAN
Start	403	End	755
GI	none	Score	.65
Exons	403..533, 590..755		
Seq. No.	25416	Seq. ID	OJ990824_16.9B01.C33
Gene No.	52694	Strand	-
Start	249	End	2253
Name	OJ990824_16.9B01.C33.o1.np	Method	AAT/NAP
Start	249	End	2253
GI	5091513	Score	1091
Exons	249..440, 1420..2253		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	25416	Seq. ID	OJ990824_16.9B01.C33
Gene No.	52694	Strand	-
Start	249	End	2253
Name	OJ990824_16.9B01.C33.o2.gs	Method	GENSCAN
Start	896	End	2201
GI	none	Score	.82
Exons	896..1224, 1487..2201		
Seq. No.	25417	Seq. ID	OJ990824_16.9B01.C34
Gene No.	52695	Strand	-
Start	1	End	1896
Name	OJ990824_16.9B01.C34.o1.np	Method	AAT/NAP
Start	1	End	1896
GI	5091513	Score	1046
Exons	1..253, 1007..1896		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	25417	Seq. ID	OJ990824_16.9B01.C34
Gene No.	52696	Strand	-
Start	2219	End	2467
Name	OJ990824_16.9B01.C34.o2.gp	Method	AAT/GAP
Start	2219	End	2467
GI	3761181	Score	416
Exons	2219..2467		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	25418	Seq. ID	OJ990824_16.9B01.C35
Gene No.	52697	Strand	+
Start	58	End	2500
Name	OJ990824_16.9B01.C35.o1.gs	Method	GENSCAN
Start	58	End	2500
GI	none	Score	.72
Exons	58..114, 447..567, 625..632, 802..840, 950..1034, 1833..2007, 2100..2164, 2460..2500		
Seq. No.	25418	Seq. ID	OJ990824_16.9B01.C35

Gene No.	52698	Strand	-
Start	759	End	1953
Name	OJ990824_16.9B01.C35.o1.np	Method	AAT/NAP
Start	759	End	1953
GI	6721559	Score	148
Exons	759..997, 1602..1953		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25418	Seq. ID	OJ990824_16.9B01.C35
Gene No.	52699	Strand	-
Start	1984	End	3186
Name	OJ990824_16.9B01.C35.o2.np	Method	AAT/NAP
Start	1984	End	3186
GI	4680183	Score	45
Exons	1984..2073, 2455..2523, 3160..3186		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25419	Seq. ID	OJ990824_16.9B01.C36
Gene No.	52700	Strand	-
Start	1	End	515
Name	OJ990824_16.9B01.C36.o1.np	Method	AAT/NAP
Start	1	End	515
GI	5042447	Score	891
Exons	1..515		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25419	Seq. ID	OJ990824_16.9B01.C36
Gene No.	52700	Strand	-
Start	1	End	515
Name	OJ990824_16.9B01.C36.o1.tm	Method	TBLASTX:Maize
Start	3	End	485
GI	none	Score	52
Exons	3..485, 31..168, 108..392, 208..474		

Seq. No.	25419	Seq. ID	OJ990824_16.9B01.C36
Gene No.	52700	Strand	-
Start	1	End	515
Name	OJ990824_16.9B01.C36.o1.tw	Method	TBLASTX:Wheat
Start	105	End	503
GI	none	Score	274
Exons	105..503, 106..501		

Seq. No.	25419	Seq. ID	OJ990824_16.9B01.C36
Gene No.	52700	Strand	-
Start	1	End	515
Name	OJ990824_16.9B01.C36.o1.gs	Method	GENSCAN
Start	120	End	397
GI	none	Score	.59
Exons	120..397		

Seq. No.	25419	Seq. ID	OJ990824_16.9B01.C36
Gene No.	52700	Strand	-
Start	1	End	515
Name	OJ990824_16.9B01.C36.o1.ts	Method	TBLASTX:Soybean
Start	219	End	515

GI	none	Score	199
Exons	219..515, 220..513		
Seq. No.	25420	Seq. ID	OJ990824_16.9B01.C37
Gene No.	52701	Strand	-
Start	7	End	79
Name	OJ990824_16.9B01.C37.o1.gs	Method	GENSCAN
Start	7	End	79
GI	none	Score	.4
Exons	7..79		
Seq. No.	25421	Seq. ID	OJ990824_16.9B01.C41
Gene No.	52702	Strand	+
Start	743	End	1652
Name	OJ990824_16.9B01.C41.o1.gs	Method	GENSCAN
Start	743	End	1652
GI	none	Score	.48
Exons	743..980, 1585..1652		
Seq. No.	25421	Seq. ID	OJ990824_16.9B01.C41
Gene No.	52703	Strand	-
Start	3767	End	4191
Name	OJ990824_16.9B01.C41.o2.gs	Method	GENSCAN
Start	3767	End	4191
GI	none	Score	.83
Exons	3767..3913, 3930..4191		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52704	Strand	+
Start	239	End	1396
Name	OJ990914_19.9B01.C1.o1.gs	Method	GENSCAN
Start	239	End	1396
GI	none	Score	.46
Exons	239..375, 1387..1396		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52705	Strand	-
Start	2983	End	4809
Name	OJ990914_19.9B01.C1.o1.gp	Method	AAT/GAP
Start	2727	End	3174
GI	4715625	Score	856
Exons	2727..3174		
GI Descrip.	4164408/emb|CAA10608.1| 8.0e-14 (AJ132228) amino acid carrier [Ricinus communis]		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52705	Strand	-
Start	2983	End	4809
Name	OJ990914_19.9B01.C1.o2.gs	Method	GENSCAN
Start	2983	End	4713
GI	none	Score	.89
Exons	2983..4015, 4099..4192, 4269..4502, 4584..4713		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52705	Strand	-
Start	2983	End	4809
Name	OJ990914_19.9B01.C1.o1.np	Method	AAT/NAP

Start	2986	End	4713
GI	3293031	Score	1728
Exons	2986..4015, 4099..4192, 4269..4502, 4584..4713		
GI Descrip.	(AJ007574) amino acid carrier [Ricinus communis]		

Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52705	Strand	-
Start	2983	End	4809
Name	OJ990914_19.9B01.C1.o2.gp	Method	AAT/GAP
Start	4322	End	4809
GI	4715624	Score	752
Exons	4322..4502, 4584..4809		
GI Descrip.	4164408/emb|CAA10608.1| 1.0e-19 (AJ132228) amino acid carrier [Ricinus communis]		

Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o1.tc	Method	TBLASTX:Cress
Start	2983	End	4656
GI	none	Score	297
Exons	2983..3294, 2999..3289, 3334..3642, 3338..3643, 3631..4014, 3632..4024, 4098..4193, 4102..4194, 4270..4503, 4283..4504, 4582..4656		

Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	2998	End	4626
GI	none	Score	180
Exons	2998..3297, 3014..3292, 3358..3582, 3374..3586, 3637..3753, 3638..3757, 3754..3789, 3793..4014, 3830..4000, 4093..4194, 4098..4193, 4270..4503, 4283..4504, 4582..4626		

Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o3.tm	Method	TBLASTX:Maize
Start	2998	End	3241
GI	none	Score	302
Exons	2998..3240, 2999..3241		

Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o1.tw	Method	TBLASTX:Wheat
Start	3112	End	3519
GI	none	Score	172
Exons	3112..3297, 3125..3295, 3352..3519, 3368..3514		

Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o4.tm	Method	TBLASTX:Maize
Start	3241	End	3411
GI	none	Score	69

Exons	3241..3303, 3242..3301, 3328..3411, 3335..3409		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	3412	End	3921
GI	none	Score	468
Exons	3412..3918, 3413..3778, 3709..3921		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o2.tm	Method	TBLASTX:Maize
Start	3962	End	4674
GI	none	Score	62
Exons	3962..4015, 3964..4014, 4098..4190, 4099..4191, 4150..4194, 4265..4312, 4267..4503, 4268..4537, 4558..4674, 4582..4668		
Seq. No.	25422	Seq. ID	OJ990914_19.9B01.C1
Gene No.	52706	Strand	-
Start	9539	End	10088
Name	OJ990914_19.9B01.C1.o2.np	Method	AAT/NAP
Start	9539	End	10088
GI	5091519	Score	185
Exons	9539..9901, 10063..10088		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52707	Strand	+
Start	121	End	7446
Name	OJ990914_19.9B01.C2.o1.gs	Method	GENSCAN
Start	121	End	7446
GI	none	Score	.77
Exons	121..194, 438..496, 1038..1223, 1285..1412, 1417..1523, 1646..1734, 4290..4469, 4559..4875, 5142..5216, 5321..5526, 6501..6683, 7265..7446		
Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52708	Strand	+
Start	9436	End	11370
Name	OJ990914_19.9B01.C2.o1.gp	Method	AAT/GAP
Start	9365	End	9915
GI	uC-osf1cyp171c10b1	Score	282
Exons	9365..9522, 9890..9915		
GI Descrip.	'1350680/sp|P49691|RL1_ARATH 3.0e-36 60S RIBOSOMAL PROTEIN L1'		
Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52708	Strand	+
Start	9436	End	11370
Name	OJ990914_19.9B01.C2.o2.gs	Method	GENSCAN
Start	9436	End	11370
GI	none	Score	.86
Exons	9436..11370		
Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52708	Strand	+

Start	9436	End	11370
Name	OJ990914_19.9B01.C2.o1.np	Method	AAT/NAP
Start	9463	End	11367
GI	1931642	Score	1310
Exons	9463..11367		
GI Descrip.	(U95973) Ser/Thr protein kinase isolog [Arabidopsis thaliana]		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52709	Strand	+
Start	37336	End	41018
Name	OJ990914_19.9B01.C2.o4.np	Method	AAT/NAP
Start	37336	End	40692
GI	5263311	Score	285
Exons	37336..37409, 38143..38300, 39456..39734, 40318..40394, 40634..40692		
GI Descrip.	(AC007727) ESTs gb|T42839 and gb|AA395192 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52709	Strand	+
Start	37336	End	41018
Name	OJ990914_19.9B01.C2.o9.gs	Method	GENSCAN
Start	38213	End	41018
GI	none	Score	.96
Exons	38213..38311, 39461..39538, 39642..39734, 40318..40394, 40634..41018		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52710	Strand	-
Start	11103	End	18242
Name	OJ990914_19.9B01.C2.o2.gp	Method	AAT/GAP
Start	11103	End	13992
GI	1054_1.R1084	Score	3033
Exons	11103..12089, 12730..12774, 12887..12916, 13044..13143, 13310..13371, 13468..13534, 13686..13992		
GI Descrip.	'2961437 1.0e-119 (L37527) MADS box protein [Oryza sativa]'		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52710	Strand	-
Start	11103	End	18242
Name	OJ990914_19.9B01.C2.o3.gs	Method	GENSCAN
Start	11949	End	15787
GI	none	Score	.74
Exons	11949..12089, 12730..12774, 13044..13109, 13468..13534, 13686..13978, 14207..14293, 15662..15787		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52710	Strand	-
Start	11103	End	18242
Name	OJ990914_19.9B01.C2.o2.np	Method	AAT/NAP
Start	11952	End	13873
GI	2961437	Score	896
Exons	11952..12089, 12730..12774, 12887..12916, 13044..13143, 13310..13371, 13468..13534, 13686..13873		
GI Descrip.	(L37527) MADS box protein [Oryza sativa]		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2

Gene No.	52710	Strand	-
Start	11103	End	18242
Name	OJ990914_19.9B01.C2.o3.np	Method	AAT/NAP
Start	14244	End	18242
GI	6721516	Score	598
Exons	14244..14331, 15436..15869, 16280..16521, 18207..18242		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52711	Strand	-
Start	21129	End	24994
Name	OJ990914_19.9B01.C2.o5.gs	Method	GENSCAN
Start	21129	End	24994
GI	none	Score	.48
Exons	21129..21254, 21744..21823, 22401..22632, 22716..23465, 24316..24571, 24984..24994		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52712	Strand	-
Start	25631	End	26404
Name	OJ990914_19.9B01.C2.o6.gs	Method	GENSCAN
Start	25631	End	26404
GI	none	Score	.87
Exons	25631..26103, 26299..26404		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o2.tc	Method	TBLASTX:Cress
Start	4271	End	4651
GI	none	Score	274
Exons	4271..4495, 4272..4508, 4507..4644, 4508..4651		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o5.tm	Method	TBLASTX:Maize
Start	4475	End	4651
GI	none	Score	227
Exons	4475..4651, 4504..4650		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o2.ts	Method	TBLASTX:Soybean
Start	9476	End	10140
GI	none	Score	36
Exons	9476..9487, 9532..9594, 9622..9753, 9778..9879, 9973..10140		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o3.tm	Method	TBLASTX:Maize
Start	9780	End	10214
GI	none	Score	148
Exons	9780..9932, 9781..9933, 9868..9993, 9912..9950, 9988..10203, 10041..10214		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o1.tc	Method	TBLASTX:Cress
Start	9937	End	11235
GI	none	Score	68
Exons	9937..10155, 10300..10476, 10498..10581, 10690..11127, 10696..10848, 10710..11099, 11140..11235		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o1.tm	Method	TBLASTX:Maize
Start	10312	End	11235
GI	none	Score	115
Exons	10312..10479, 10362..10472, 10504..10581, 10603..10644, 10690..11064, 10710..11096, 11140..11235, 11143..11229		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o1.ts	Method	TBLASTX:Soybean
Start	10339	End	11004
GI	none	Score	185
Exons	10339..10581, 10374..10475, 10606..10680, 10678..11004, 10701..10973		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o2.tw	Method	TBLASTX:Wheat
Start	10660	End	11016
GI	none	Score	294
Exons	10660..11016, 10695..10748, 10779..10973		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o4.tm	Method	TBLASTX:Maize
Start	11873	End	13873
GI	none	Score	68
Exons	11873..11902, 11943..12035, 11965..12018, 12027..12089, 12042..12089, 13041..13145, 13051..13146, 13307..13372, 13309..13374, 13310..13372, 13463..13534, 13468..13524, 13469..13534, 13685..13873, 13689..13838		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o3.tw	Method	TBLASTX:Wheat
Start	13041	End	13873
GI	none	Score	62
Exons	13041..13145, 13051..13146, 13309..13374, 13310..13372, 13463..13558, 13468..13524, 13469..13534, 13685..13873, 13689..13838		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o3.ts	Method	TBLASTX:Soybean
Start	13683	End	13876
GI	none	Score	85
Exons	13683..13838, 13685..13876		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o3.tc	Method	TBLASTX:Cress
Start	13697	End	13876
GI	none	Score	102
Exons	13697..13876, 13704..13835		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o1.tw	Method	TBLASTX:Wheat
Start	21762	End	23161
GI	none	Score	61
Exons	21762..21830, 21763..21825, 22400..22429, 22401..22430, 22402..22431, 22416..22580, 22423..22608, 22425..22616, 22438..22608, 22439..22624, 22677..22811, 22716..22811, 22721..22822, 22936..23097, 22937..23077, 22938..23099, 23081..23161, 23086..23160		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o2.tm	Method	TBLASTX:Maize
Start	22563	End	23088
GI	none	Score	70
Exons	22563..22631, 22564..22629, 22677..22928, 22710..22910, 22715..22915, 22920..23051, 22920..23081, 22921..23088, 22921..23088		

Seq. No.	25423	Seq. ID	OJ990914_19.9B01.C2
Gene No.	52713	Strand	-
Start	30797	End	37990
Name	OJ990914_19.9B01.C2.o8.gs	Method	GENSCAN
Start	30797	End	37990
GI	none	Score	.71
Exons	30797..30890, 31165..31356, 31426..31655, 32557..32639, 32912..32920, 34994..35597, 35968..36090, 36463..36613, 36619..36723, 36744..37293, 37864..37990		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52714	Strand	+
Start	1	End	9160
Name	OJ990914_19.9B01.C3.o1.np	Method	AAT/NAP
Start	1	End	5901
GI	5263311	Score	142
Exons	1..33, 615..740, 866..1009, 1350..1397, 2156..2281, 5665..5901		
GI Descrip.	(AC007727) ESTs gb|T42839 and gb|AA395192 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52714	Strand	+
Start	1	End	9160
Name	OJ990914_19.9B01.C3.o1.gs	Method	GENSCAN
Start	624	End	2843
GI	none	Score	.68
Exons	624..740, 869..1009, 1350..1380, 1907..1989, 2397..2843		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52714	Strand	+
Start	1	End	9160
Name	OJ990914_19.9B01.C3.o1.gp	Method	AAT/GAP
Start	2161	End	2760
GI	none	Score	806
Exons	2161..2257, 2427..2760		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52714	Strand	+
Start	1	End	9160
Name	OJ990914_19.9B01.C3.o3.gs	Method	GENSCAN
Start	5423	End	9054
GI	none	Score	.91
Exons	5423..7049, 7110..7234, 7335..7362, 7625..7680, 7797..8072, 8684..8803, 8926..9054		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52714	Strand	+
Start	1	End	9160
Name	OJ990914_19.9B01.C3.o2.np	Method	AAT/NAP
Start	5456	End	9160
GI	5263316	Score	841
Exons	5456..6976, 7016..7049, 7625..7680, 7797..8072, 8314..8550, 8684..8803, 8926..9160		
GI Descrip.	(AC007727) Contains PF|00097 Zinc finger C3HC4 type and 4 WD40 PF|00400 (G beta) domains. [Arabidopsis thaliana]		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52715	Strand	-
Start	3752	End	4790
Name	OJ990914_19.9B01.C3.o2.gs	Method	GENSCAN
Start	3752	End	4790
GI	none	Score	.53
Exons	3752..4229, 4323..4426, 4543..4619, 4736..4790		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52716	Strand	
Start	6008	End	6292
Name	OJ990914_19.9B01.C3.o1.tw	Method	TBLASTX:Wheat
Start	6008	End	6292
GI	none	Score	329
Exons	6008..6289, 6009..6290, 6044..6292, 6183..6290		

Seq. No.	25424	Seq. ID	OJ990914_19.9B01.C3
Gene No.	52717	Strand	
Start	6985	End	7937
Name	OJ990914_19.9B01.C3.o1.tm	Method	TBLASTX:Maize

Start	6985	End	7937
GI	none	Score	100
Exons	6985..7050, 6986..7051, 7612..7680, 7623..7688, 7624..7671, 7783..7923, 7784..7924, 7793..7927, 7794..7937, 7794..7928		

Seq. No.	25425	Seq. ID	OJ990914_19.9B01.C4
Gene No.	52718	Strand	-
Start	116	End	257
Name	OJ990914_19.9B01.C4.o1.gs	Method	GENSCAN
Start	116	End	257
GI	none	Score	.95
Exons	116..257		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52719	Strand	+
Start	217	End	297
Name	OJ990914_19.9B01.C5.o1.gp	Method	AAT/GAP
Start	217	End	297
GI	38012_1.R1084	Score	100
Exons	217..297		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52720	Strand	+
Start	416	End	1168
Name	OJ990914_19.9B01.C5.o1.gs	Method	GENSCAN
Start	416	End	1168
GI	none	Score	.83
Exons	416..494, 1107..1168		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52721	Strand	+
Start	14577	End	19300
Name	OJ990914_19.9B01.C5.o4.gs	Method	GENSCAN
Start	14577	End	19300
GI	none	Score	.59
Exons	14577..14762, 14972..15213, 16185..16285, 16433..16574, 16705..16762, 17045..17192, 17237..17415, 17649..17722, 18583..19300		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52722	Strand	-
Start	7154	End	9001
Name	OJ990914_19.9B01.C5.o2.gp	Method	AAT/GAP
Start	7154	End	7625
GI	17561_1.R1084	Score	889
Exons	7154..7625		
GI Descrip.	'584861/sp|P37118|C712_SOLME 3.0e-15 CYTOCHROME P450 71A2 (CYPLXXIA2) (P-450EG4) >gi_480396_pir__S36806 cytochrome P450 71A2 - eggplant >gi_408140_emb_CAA50645_ (X71654) P450 hydroxylase [Solanum melongena] >gi_441185_dbj_BAA03635_ (D14990) Cytochrome P-450EG4 [Solanum melongena]'		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52722	Strand	-
Start	7154	End	9001

Name	OJ990914_19.9B01.C5.o1.np	Method	AAT/NAP
Start	7400	End	9001
GI	550436	Score	850
Exons	7400..9001		
GI Descrip.	(X81827) cytochrome P450 [Zea mays]		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52722	Strand	-
Start	7154	End	9001
Name	OJ990914_19.9B01.C5.o3.gp	Method	AAT/GAP
Start	7805	End	8426
GI	29500_1.R1084	Score	1184
Exons	7805..8426		
GI Descrip.	'5921189/sp|Q43257|C7C4_MAIZE 8.0e-43 CYTOCHROME P450 71C4 >gi_550542_emb_CAA57425_ (X81831) cytochrome P450 [Zea mays] >gi_1850903_emb_CAA72196_ (Y11368) cytochrome p450 [Zea mays]'		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52722	Strand	-
Start	7154	End	9001
Name	OJ990914_19.9B01.C5.o4.gp	Method	AAT/GAP
Start	8443	End	8974
GI	28233_1.R1084	Score	999
Exons	8443..8974		
GI Descrip.	'5915838/sp|O81971|C7D9_SOYBN 2.0e-13 CYTOCHROME P450 71D9 (P450 CP3) >gi_3334661_emb_CAA71514_ (Y10490) putative cytochrome P450 [Glycine max]'		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52723	Strand	-
Start	10949	End	14222
Name	OJ990914_19.9B01.C5.o3.gs	Method	GENSCAN
Start	10949	End	13535
GI	none	Score	.74
Exons	10949..10956, 11701..11952, 13439..13535		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52723	Strand	-
Start	10949	End	14222
Name	OJ990914_19.9B01.C5.o2.np	Method	AAT/NAP
Start	11861	End	14222
GI	5922634	Score	92
Exons	11861..11922, 14115..14222		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o1.tc	Method	TBLASTX:Cress
Start	7415	End	8716
GI	none	Score	91
Exons	7415..7477, 7487..7663, 7497..7664, 7652..7786, 7653..7724, 7895..8065, 7911..8042, 8465..8716		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5

Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o1.tw	Method	TBLASTX:Wheat
Start	7415	End	7736
GI	none	Score	130
Exons	7415..7477, 7469..7642, 7497..7643, 7629..7736, 7631..7735		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o2.tm	Method	TBLASTX:Maize
Start	7469	End	8341
GI	none	Score	122
Exons	7469..7621, 7487..7642, 7497..7643, 7643..7774, 7644..7736, 7835..7861, 7892..8041, 7899..8033, 8063..8113, 8153..8341, 8231..8341		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o1.ts	Method	TBLASTX:Soybean
Start	7487	End	8806
GI	none	Score	97
Exons	7487..7663, 7497..7664, 7649..7786, 7835..7864, 7883..8089, 8153..8230, 8237..8389, 8465..8716, 8783..8806		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o2.tc	Method	TBLASTX:Cress
Start	18910	End	19228
GI	none	Score	169
Exons	18910..18990, 18911..19036, 19115..19201, 19130..19228		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o5.gs	Method	GENSCAN
Start	21250	End	25407
GI	none	Score	.63
Exons	21250..21380, 22111..22387, 23274..23366, 23519..23656, 23758..23885, 23995..24155, 24276..24366, 25287..25407		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o3.np	Method	AAT/NAP
Start	21402	End	25448
GI	5916446	Score	750
Exons	21402..21483, 22282..22401, 22451..22571, 23519..23732, 23984..24126, 24262..24366, 24459..24515, 25287..25448		
GI Descrip.	(AC007633) similarity to several hypothetical proteins-Arabidopsis thaliana		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448

Name	OJ990914_19.9B01.C5.o5.gp	Method	AAT/GAP
Start	21860	End	22596
GI	3767710	Score	1093
Exons	21860..22387, 22466..22596		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o3.tm	Method	TBLASTX:Maize
Start	22205	End	22572
GI	none	Score	183
Exons	22205..22390, 22221..22394, 22222..22389, 22446..22571, 22458..22571, 22462..22572		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o3.ts	Method	TBLASTX:Soybean
Start	22332	End	23587
GI	none	Score	113
Exons	22332..22388, 22461..22574, 22463..22585, 22465..22572, 23272..23367, 23274..23369, 23274..23375, 23519..23587		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	23268	End	25417
GI	none	Score	95
Exons	23268..23375, 23269..23367, 23502..23657, 23519..23656, 23755..23829, 23758..23889, 23987..24157, 23996..24154, 23997..24158, 23997..24164, 24276..24311, 24276..24368, 24278..24367, 24278..24373, 24286..24369, 24455..24532, 24466..24516, 25286..25339, 25345..25416, 25346..25417		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o3.tc	Method	TBLASTX:Cress
Start	23272	End	23889
GI	none	Score	88
Exons	23272..23367, 23277..23369, 23277..23375, 23502..23657, 23519..23656, 23755..23832, 23767..23889		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o2.ts	Method	TBLASTX:Soybean
Start	23589	End	24160
GI	none	Score	69
Exons	23589..23657, 23591..23656, 23755..23829, 23758..23892, 23984..24160, 23988..24158		

Seq. No.	25426	Seq. ID	OJ990914_19.9B01.C5
Gene No.	52724	Strand	-
Start	21250	End	25448
Name	OJ990914_19.9B01.C5.o2.tw	Method	TBLASTX:Wheat

Start	23603	End	24373
GI	none	Score	63
Exons	23603..23656, 23755..23823, 23756..23890, 23987..24157, 23994..24152, 24231..24368, 24278..24367, 24278..24373		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52725	Strand	+
Start	102	End	1561
Name	OJ990914_19.9B01.C6.o1.gs	Method	GENSCAN
Start	102	End	1561
GI	none	Score	.76
Exons	102..162, 1188..1561		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52726	Strand	-
Start	4864	End	8041
Name	OJ990914_19.9B01.C6.o1.np	Method	AAT/NAP
Start	4860	End	8041
GI	5263327	Score	819
Exons	4860..5638, 6185..6408, 6714..6931, 7221..7911, 7963..8041		
GI Descrip.	(AC007727) EST gb|T20649 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52726	Strand	-
Start	4864	End	8041
Name	OJ990914_19.9B01.C6.o2.gs	Method	GENSCAN
Start	4864	End	7956
GI	none	Score	.45
Exons	4864..5638, 6185..6408, 6714..6979, 7257..7956		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52726	Strand	-
Start	4864	End	8041
Name	OJ990914_19.9B01.C6.o1.tc	Method	TBLASTX:Cress
Start	4888	End	5460
GI	none	Score	98
Exons	4888..5082, 5194..5460, 5246..5437		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52726	Strand	-
Start	4864	End	8041
Name	OJ990914_19.9B01.C6.o2.np	Method	AAT/NAP
Start	5153	End	8041
GI	5263327	Score	709
Exons	5153..5638, 6185..6408, 6714..6931, 7221..7911, 7963..8041		
GI Descrip.	(AC007727) EST gb|T20649 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52726	Strand	-
Start	4864	End	8041
Name	OJ990914_19.9B01.C6.o1.tm	Method	TBLASTX:Maize
Start	5266	End	6363
GI	none	Score	117
Exons	5266..5496, 5266..5511, 5569..5637, 5572..5649, 6160..6363		

Seq. No.	25427	Seq. ID	OJ990914_19.9B01.C6
Gene No.	52726	Strand	-
Start	4864	End	8041
Name	OJ990914_19.9B01.C6.o1.ts	Method	TBLASTX:Soybean
Start	5281	End	6411
GI	none	Score	92
Exons	5281..5550, 5290..5508, 5569..5637, 6184..6411, 6184..6405		

Seq. No.	25428	Seq. ID	OJ990914_19.9B01.C7
Gene No.	52727	Strand	+
Start	6093	End	8566
Name	OJ990914_19.9B01.C7.o1.np	Method	AAT/NAP
Start	6093	End	8566
GI	6069657	Score	250
Exons	6093..6335, 6814..6893, 7882..8037, 8541..8566		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	25428	Seq. ID	OJ990914_19.9B01.C7
Gene No.	52727	Strand	+
Start	6093	End	8566
Name	OJ990914_19.9B01.C7.o2.np	Method	AAT/NAP
Start	7373	End	7665
GI	5777617	Score	104
Exons	7373..7665		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	25428	Seq. ID	OJ990914_19.9B01.C7
Gene No.	52728	Strand	+
Start	10084	End	11428
Name	OJ990914_19.9B01.C7.o3.np	Method	AAT/NAP
Start	10084	End	11428
GI	6630699	Score	92
Exons	10084..10184, 11351..11428		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25428	Seq. ID	OJ990914_19.9B01.C7
Gene No.	52729	Strand	+
Start	11555	End	11845
Name	OJ990914_19.9B01.C7.o4.np	Method	AAT/NAP
Start	11555	End	11845
GI	6539570	Score	212
Exons	11555..11845		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	25428	Seq. ID	OJ990914_19.9B01.C7
Gene No.	52730	Strand	-
Start	11345	End	11770
Name	OJ990914_19.9B01.C7.o1.gp	Method	AAT/GAP
Start	11345	End	11770
GI	LIB3479-006-Q6-K1-B11	Score	644
Exons	11345..11770		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25429	Seq. ID	OJ990914_19.9B01.C8

Gene No.	52731	Strand	-
Start	2555	End	6244
Name	OJ990914_19.9B01.C8.o2.gs	Method	GENSCAN
Start	2555	End	6244
GI	none	Score	.68
Exons	2555..2690, 2773..2943, 2995..3275, 3644..3907, 3995..4441, 4520..5239, 5750..6244		

Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o1.np	Method	AAT/NAP
Start	465	End	2858
GI	4680203	Score	1425
Exons	465..1402, 1679..1908, 2068..2858		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o1.gs	Method	GENSCAN
Start	491	End	2399
GI	none	Score	.78
Exons	491..1677, 1903..2399		

Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o1.tw	Method	TBLASTX:Wheat
Start	545	End	1795
GI	none	Score	41
Exons	545..664, 597..665, 665..769, 666..770, 788..841, 841..885, 842..892, 908..1036, 909..1034, 1034..1246, 1251..1751, 1253..1795		

Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o1.ts	Method	TBLASTX:Soybean
Start	608	End	856
GI	none	Score	95
Exons	608..856, 672..854		

Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o1.tc	Method	TBLASTX:Cress
Start	1082	End	1508
GI	none	Score	155
Exons	1082..1246, 1251..1508, 1253..1504		

Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o1.tm	Method	TBLASTX:Maize
Start	1439	End	1753
GI	none	Score	140

Exons	1439..1753, 1458..1667		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o2.ts	Method	TBLASTX:Soybean
Start	1451	End	1838
GI	none	Score	71
Exons	1451..1696, 1452..1577, 1706..1834, 1707..1838		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o3.tm	Method	TBLASTX:Maize
Start	1931	End	2146
GI	none	Score	95
Exons	1931..2122, 1946..2146		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o3.tw	Method	TBLASTX:Wheat
Start	1943	End	2126
GI	none	Score	47
Exons	1943..2005, 1953..1994, 2006..2125, 2009..2125, 2010..2126		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o3.ts	Method	TBLASTX:Soybean
Start	2237	End	2468
GI	none	Score	62
Exons	2237..2419, 2246..2419, 2421..2468		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o2.tm	Method	TBLASTX:Maize
Start	2306	End	2732
GI	none	Score	38
Exons	2306..2410, 2415..2498, 2415..2498, 2425..2523, 2505..2732, 2521..2694, 2535..2729		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o2.tw	Method	TBLASTX:Wheat
Start	2505	End	2733
GI	none	Score	149
Exons	2505..2732, 2509..2733, 2524..2733		
Seq. No.	25430	Seq. ID	OJ990914_19.9B01.C9
Gene No.	52732	Strand	-
Start	491	End	2858
Name	OJ990914_19.9B01.C9.o2.tc	Method	TBLASTX:Cress
Start	2592	End	2851
GI	none	Score	87

Exons	2592..2732, 2593..2733, 2771..2851, 2793..2849		
Seq. No.	25431	Seq. ID	OJ990914_19.9B01.C10
Gene No.	52733	Strand	-
Start	1	End	425
Name	OJ990914_19.9B01.C10.o1.gp	Method	AAT/GAP
Start	1	End	388
GI	427962	Score	382
Exons	1..70, 223..388		
GI Descrip.	4200122/emb|CAA08749.1| 6.0e-33 (AJ009555) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	25431	Seq. ID	OJ990914_19.9B01.C10
Gene No.	52733	Strand	-
Start	1	End	425
Name	OJ990914_19.9B01.C10.o1.np	Method	AAT/NAP
Start	1	End	425
GI	4200122	Score	245
Exons	1..70, 223..425		
GI Descrip.	(AJ009555) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	25431	Seq. ID	OJ990914_19.9B01.C10
Gene No.	52733	Strand	-
Start	1	End	425
Name	OJ990914_19.9B01.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	361
GI	none	Score	61
Exons	2..79, 6..71, 8..73, 206..361, 223..360		
Seq. No.	25431	Seq. ID	OJ990914_19.9B01.C10
Gene No.	52733	Strand	-
Start	1	End	425
Name	OJ990914_19.9B01.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	337
GI	none	Score	68
Exons	2..79, 3..71, 14..79, 206..337, 223..333		
Seq. No.	25431	Seq. ID	OJ990914_19.9B01.C10
Gene No.	52733	Strand	-
Start	1	End	425
Name	OJ990914_19.9B01.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	361
GI	none	Score	94
Exons	2..79, 3..71, 206..250, 221..250, 223..270, 250..360, 251..361, 251..361		
Seq. No.	25431	Seq. ID	OJ990914_19.9B01.C10
Gene No.	52733	Strand	-
Start	1	End	425
Name	OJ990914_19.9B01.C10.o1.gs	Method	GENSCAN
Start	223	End	360
GI	none	Score	.73
Exons	223..360		
Seq. No.	25432	Seq. ID	OJ990914_19.9B01.C11
Gene No.	52734	Strand	+
Start	461	End	1321

Name	OJ990914_19.9B01.C11.o1.gs	Method	GENSCAN
Start	461	End	1321
GI	none	Score	.72
Exons	461..588, 1168..1321		

Seq. No.	25432	Seq. ID	OJ990914_19.9B01.C11
Gene No.	52735	Strand	-
Start	585	End	1034
Name	OJ990914_19.9B01.C11.o1.gp	Method	AAT/GAP
Start	585	End	1034
GI	none	Score	558
Exons	585..614, 726..1034		

Seq. No.	25433	Seq. ID	OJ990914_19.9B01.C12
Gene No.	52736	Strand	+
Start	569	End	1125
Name	OJ990914_19.9B01.C12.o1.gs	Method	GENSCAN
Start	569	End	1125
GI	none	Score	.8
Exons	569..581, 683..1125		

Seq. No.	25434	Seq. ID	OJ990914_15.9B19.C1
Gene No.	52737	Strand	+
Start	1	End	955
Name	OJ990914_15.9B19.C1.o1.np	Method	AAT/NAP
Start	1	End	955
GI	3063700	Score	91
Exons	1..85, 927..955		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	25434	Seq. ID	OJ990914_15.9B19.C1
Gene No.	52737	Strand	+
Start	1	End	955
Name	OJ990914_15.9B19.C1.o1.gs	Method	GENSCAN
Start	5	End	85
GI	none	Score	.84
Exons	5..85		

Seq. No.	25435	Seq. ID	OJ990914_15.9B19.C2
Gene No.	52738	Strand	+
Start	30	End	69
Name	OJ990914_15.9B19.C2.o1.gs	Method	GENSCAN
Start	30	End	69
GI	none	Score	.89
Exons	30..69		

Seq. No.	25436	Seq. ID	OJ990914_15.9B19.C3
Gene No.	52739	Strand	+
Start	107	End	523
Name	OJ990914_15.9B19.C3.o1.gp	Method	AAT/GAP
Start	107	End	523
GI	none	Score	771
Exons	107..523		

Seq. No.	25436	Seq. ID	OJ990914_15.9B19.C3
Gene No.	52740	Strand	-
Start	529	End	1061

Name	OJ990914_15.9B19.C3.o2.gp	Method	AAT/GAP
Start	529	End	1061
GI	none	Score	1050
Exons	529..1061		

Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52741	Strand	+
Start	1	End	6532
Name	OJ990914_15.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	6532
GI	6691191	Score	1404
Exons	1..43, 2586..3863, 6500..6532		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52741	Strand	+
Start	1	End	6532
Name	OJ990914_15.9B19.C4.o1.gs	Method	GENSCAN
Start	1203	End	5976
GI	none	Score	.45
Exons	1203..1532, 2650..3264, 3379..3820, 3885..4121, 4181..4302, 5549..5804, 5810..5976		

Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52742	Strand	+
Start	7774	End	8705
Name	OJ990914_15.9B19.C4.o4.np	Method	AAT/NAP
Start	7774	End	8705
GI	6539577	Score	187
Exons	7774..8032, 8449..8705		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52743	Strand	-
Start	4756	End	5402
Name	OJ990914_15.9B19.C4.o2.np	Method	AAT/NAP
Start	4756	End	5402
GI	6721559	Score	432
Exons	4756..4900, 4929..5402		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o1.ts	Method	TBLASTX:Soybean
Start	2734	End	3160
GI	none	Score	333
Exons	2734..3159, 2814..3158, 2821..3159, 3026..3160		

Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o2.tw	Method	TBLASTX:Wheat
Start	2734	End	3138
GI	none	Score	352

Exons	2734..3138, 2814..3029		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o2.tm	Method	TBLASTX:Maize
Start	3022	End	3363
GI	none	Score	211
Exons	3022..3363		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o1.tw	Method	TBLASTX:Wheat
Start	3235	End	3666
GI	none	Score	518
Exons	3235..3666, 3252..3515, 3256..3666		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	3400	End	3813
GI	none	Score	268
Exons	3400..3813		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o2.ts	Method	TBLASTX:Soybean
Start	3526	End	3861
GI	none	Score	63
Exons	3526..3591, 3592..3861, 3603..3860		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o3.tw	Method	TBLASTX:Wheat
Start	3666	End	3861
GI	none	Score	247
Exons	3666..3857, 3670..3861		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o3.np	Method	AAT/NAP
Start	6681	End	7438
GI	4680183	Score	139
Exons	6681..6770, 7379..7438		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	25437	Seq. ID	OJ990914_15.9B19.C4
Gene No.	52744	Strand	-
Start	6933	End	8327
Name	OJ990914_15.9B19.C4.o2.gs	Method	GENSCAN
Start	6933	End	8327
GI	none	Score	.5

Exons	6933..7038, 8154..8327		
Seq. No.	25438	Seq. ID	OJ990914_15.9B19.C5
Gene No.	52745	Strand	+
Start	1	End	1201
Name	OJ990914_15.9B19.C5.o2.np	Method	AAT/NAP
Start	1	End	1201
GI	2462134	Score	371
Exons	1..1201		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		
Seq. No.	25438	Seq. ID	OJ990914_15.9B19.C5
Gene No.	52745	Strand	+
Start	1	End	1201
Name	OJ990914_15.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	41	End	454
GI	none	Score	363
Exons	41..187, 46..357, 59..454		
Seq. No.	25439	Seq. ID	OJ990914_15.9B19.C6
Gene No.	52746	Strand	+
Start	1	End	1975
Name	OJ990914_15.9B19.C6.o1.np	Method	AAT/NAP
Start	1	End	1975
GI	3063700	Score	283
Exons	1..221, 1711..1975		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		
Seq. No.	25439	Seq. ID	OJ990914_15.9B19.C6
Gene No.	52747	Strand	-
Start	1707	End	1747
Name	OJ990914_15.9B19.C6.o1.gs	Method	GENSCAN
Start	1707	End	1747
GI	none	Score	.41
Exons	1707..1747		
Seq. No.	25440	Seq. ID	OJ990914_15.9B19.C7
Gene No.	52748	Strand	+
Start	135	End	2590
Name	OJ990914_15.9B19.C7.o1.np	Method	AAT/NAP
Start	135	End	2590
GI	3063700	Score	1380
Exons	135..296, 386..625, 977..1189, 1328..1500, 1582..1678, 1751..1903, 2359..2590		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		
Seq. No.	25440	Seq. ID	OJ990914_15.9B19.C7
Gene No.	52748	Strand	+
Start	135	End	2590
Name	OJ990914_15.9B19.C7.o1.gs	Method	GENSCAN
Start	154	End	2568
GI	none	Score	.81
Exons	154..296, 386..625, 977..1189, 1328..1678, 1751..1903, 2359..2568		
Seq. No.	25440	Seq. ID	OJ990914_15.9B19.C7
Gene No.	52748	Strand	+

Start	135	End	2590
Name	OJ990914_15.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	1459	End	1837
GI	none	Score	359
Exons	1459..1680, 1460..1681, 1750..1836, 1751..1837		

Seq. No.	25441	Seq. ID	OJ990914_15.9B19.C8
Gene No.	52749	Strand	+
Start	84	End	934
Name	OJ990914_15.9B19.C8.o1.gs	Method	GENSCAN
Start	84	End	839
GI	none	Score	.75
Exons	84..839		

Seq. No.	25441	Seq. ID	OJ990914_15.9B19.C8
Gene No.	52749	Strand	+
Start	84	End	934
Name	OJ990914_15.9B19.C8.o1.np	Method	AAT/NAP
Start	296	End	934
GI	3063700	Score	246
Exons	296..839, 906..934		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52750	Strand	+
Start	1	End	7493
Name	OJ990914_15.9B19.C9.o1.np	Method	AAT/NAP
Start	1	End	4800
GI	3063700	Score	1130
Exons	1..157, 231..582, 1558..1670, 1754..2178, 4215..4323, 4403..4552, 4685..4800		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52750	Strand	+
Start	1	End	7493
Name	OJ990914_15.9B19.C9.o1.gs	Method	GENSCAN
Start	1253	End	7493
GI	none	Score	.78
Exons	1253..1442, 1754..2106, 4215..4323, 4403..4552, 4685..4781, 7345..7493		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52751	Strand	+
Start	7625	End	8608
Name	OJ990914_15.9B19.C9.o2.gp	Method	AAT/GAP
Start	7565	End	8608
GI	606_8.R1084	Score	1179
Exons	7565..7756, 7868..8608		
GI Descrip.	'81885/pir||S20508 5.0e-13 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor - kidney bean >gi_21050_emb_CAA42618_ (X60000) ribulose bisphosphate carboxylase [Phaseolus vulgaris] >gi_21053_emb_CAA40339_ (X57022) small subunit of ribulose 1,5-bisphosphate carboxylase/oxygenase [Phaseolus vulgaris]'		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9

Gene No.	52751	Strand	+
Start	7625	End	8608
Name	OJ990914_15.9B19.C9.o3.gp	Method	AAT/GAP
Start	7566	End	8608
GI	606_8.R1084	Score	1179
Exons	7566..7756, 7868..8608		
GI Descrip.	'81885/pir||S20508 5.0e-13 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor - kidney bean >gi_21050_emb_CAA42618_ (X60000) ribulose bisphosphate carboxylase [Phaseolus vulgaris] >gi_21053_emb_CAA40339_ (X57022) small subunit of ribulose 1,5-bisphosphate carboxylase/oxygenase [Phaseolus vulgaris]'		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52751	Strand	+
Start	7625	End	8608
Name	OJ990914_15.9B19.C9.o2.np	Method	AAT/NAP
Start	7610	End	8245
GI	132096	Score	892
Exons	7610..7756, 7868..8245		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN A PRECURSOR (RUBISCO SMALL SUBUNIT A) gi|68095|pir||RKRZS6 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS2106) - rice gi|218210|dbj|BAA00539| (D00644) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa]		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52751	Strand	+
Start	7625	End	8608
Name	OJ990914_15.9B19.C9.o2.gs	Method	GENSCAN
Start	7625	End	8248
GI	none	Score	.75
Exons	7625..7756, 7868..8248		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52751	Strand	+
Start	7625	End	8608
Name	OJ990914_15.9B19.C9.o1.gp	Method	AAT/GAP
Start	7710	End	8015
GI	606_3.R1084	Score	348
Exons	7710..7756, 7868..8015		
GI Descrip.	'2275199 1.0e-12 (AC002337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837
Name	OJ990914_15.9B19.C9.o3.tm	Method	TBLASTX:Maize
Start	338	End	1353
GI	none	Score	178
Exons	338..490, 360..491, 396..494, 1250..1351, 1251..1352, 1252..1353, 1252..1353		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837

Name	OJ990914_15.9B19.C9.o2.tm	Method	TBLASTX:Maize
Start	1964	End	2171
GI	none	Score	215
Exons	1964..2122, 1972..2121, 1974..2171		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837
Name	OJ990914_15.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	7526	End	10837
GI	none	Score	42
Exons	7526..7645, 7622..7711, 7624..7731, 7624..7704, 7675..7761, 7697..7786, 7712..7759, 7852..8229, 7862..8230, 8159..8233, 8327..8401, 10657..10749, 10662..10745, 10734..10796, 10735..10797, 10775..10837		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837
Name	OJ990914_15.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	7526	End	10837
GI	none	Score	42
Exons	7526..7645, 7622..7711, 7624..7731, 7624..7704, 7675..7761, 7697..7786, 7712..7759, 7852..8229, 7862..8230, 8159..8233, 8327..8401, 10657..10749, 10662..10745, 10734..10796, 10735..10797, 10775..10837		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837
Name	OJ990914_15.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	7603	End	10797
GI	none	Score	133
Exons	7603..7692, 7604..7705, 7612..7716, 7685..7768, 7712..7759, 7862..8119, 7862..8089, 7867..8091, 10641..10730, 10642..10743, 10723..10797, 10734..10796		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837
Name	OJ990914_15.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	7606	End	10797
GI	none	Score	224
Exons	7606..7704, 7607..7768, 7712..7759, 7858..8235, 7862..8239, 7862..8089, 7867..8238, 10644..10736, 10647..10796, 10648..10797		

Seq. No.	25442	Seq. ID	OJ990914_15.9B19.C9
Gene No.	52752	Strand	+
Start	10648	End	10837
Name	OJ990914_15.9B19.C9.o3.np	Method	AAT/NAP
Start	10648	End	10796
GI	2407281	Score	183
Exons	10648..10796		
GI Descrip.	(AF017363) ribulose 1,5-bisphosphate carboxylase small subunit [Oryza sativa]		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10

Gene No.	52753	Strand	+
Start	31	End	280
Name	OJ990914_15.9B19.C10.o1.gs	Method	GENSCAN
Start	31	End	280
GI	none	Score	.88
Exons	31..135, 167..280		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	10177
GI	none	Score	130
Exons	2..106, 3..107, 9554..9637, 9556..9621, 9629..9691, 9793..10029, 9801..10067, 9802..10167, 9803..10177, 10093..10167, 10094..10174, 10098..10175		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	10171
GI	none	Score	131
Exons	2..106, 3..107, 9509..9634, 9556..9621, 9629..9691, 9793..10167, 9803..10168, 10094..10171		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	2	End	10187
GI	none	Score	141
Exons	2..106, 3..107, 203..238, 9538..9621, 9539..9691, 9665..9691, 9802..10176, 9803..10177, 10091..10177, 10095..10187		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o2.tc	Method	TBLASTX:Cress
Start	2164	End	2451
GI	none	Score	188
Exons	2164..2451		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o2.tw	Method	TBLASTX:Wheat
Start	2191	End	2598
GI	none	Score	101
Exons	2191..2277, 2251..2460, 2482..2598		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	2194	End	2598
GI	none	Score	63

Exons 2194..2457, 2494..2598

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o3.gs	Method	GENSCAN
Start	7892	End	10186
GI	none	Score	.77
Exons	7892..7951, 9509..9688, 9806..10186		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o1.gp	Method	AAT/GAP
Start	9476	End	10539
GI	606_6.R1084	Score	1529
Exons	9476..9688, 9806..10539		
GI Descrip.	'2407281 4.0e-61 (AF017363) ribulose 1,5-bisphosphate carboxylase small subunit [Oryza sativa]'		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	9515	End	10057
GI	none	Score	169
Exons	9515..9625, 9517..9621, 9617..9691, 9665..9691, 9796..10029, 9801..10055, 9803..10057		

Seq. No.	25443	Seq. ID	OJ990914_15.9B19.C10
Gene No.	52754	Strand	+
Start	7892	End	10539
Name	OJ990914_15.9B19.C10.o2.np	Method	AAT/NAP
Start	9542	End	10183
GI	132096	Score	863
Exons	9542..9688, 9806..10183		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN A PRECURSOR (RUBISCO SMALL SUBUNIT A) gi|68095|pir||RKRZS6 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS2106) - rice gi|218210|dbj|BAA00539| (D00644) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa]		

Seq. No.	25444	Seq. ID	OJ990914_15.9B19.C11
Gene No.	52755	Strand	+
Start	704	End	1407
Name	OJ990914_15.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	419	End	1382
GI	none	Score	57
Exons	419..505, 448..507, 500..652, 502..660, 503..661, 525..665, 537..659, 654..884, 657..920, 674..922, 676..924, 733..924, 873..1007, 877..1008, 884..1015, 889..1011, 894..1019, 1091..1138, 1098..1196, 1102..1197, 1191..1238, 1192..1269, 1192..1269, 1193..1270, 1193..1270, 1206..1274, 1267..1341, 1268..1378, 1268..1381, 1278..1382		

Seq. No.	25444	Seq. ID	OJ990914_15.9B19.C11

Gene No.	52755	Strand	+
Start	704	End	1407
Name	OJ990914_15.9B19.C11.o1.tw	Method	TBLASTX:Wheat
Start	606	End	1030
GI	none	Score	49
Exons	606..635, 751..918, 770..934, 776..886, 777..917, 944..1030, 955..1020, 956..1030		

Seq. No.	25444	Seq. ID	OJ990914_15.9B19.C11
Gene No.	52755	Strand	+
Start	704	End	1407
Name	OJ990914_15.9B19.C11.o1.gs	Method	GENSCAN
Start	704	End	833
GI	none	Score	.49
Exons	704..833		

Seq. No.	25444	Seq. ID	OJ990914_15.9B19.C11
Gene No.	52755	Strand	+
Start	704	End	1407
Name	OJ990914_15.9B19.C11.o1.ts	Method	TBLASTX:Soybean
Start	745	End	1011
GI	none	Score	144
Exons	745..930, 776..925, 784..930, 873..1004, 884..1006, 892..1011, 957..1007		

Seq. No.	25444	Seq. ID	OJ990914_15.9B19.C11
Gene No.	52755	Strand	+
Start	704	End	1407
Name	OJ990914_15.9B19.C11.o1.tc	Method	TBLASTX:Cress
Start	1271	End	1407
GI	none	Score	135
Exons	1271..1387, 1274..1405, 1281..1406, 1281..1406, 1384..1407		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	1411
GI	none	Score	270
Exons	1..177, 2..250, 3..221, 95..250, 197..271, 204..509, 207..725, 212..514, 238..726, 520..726, 723..884, 727..885, 728..910, 729..911, 920..964, 941..994, 941..970, 946..993, 987..1013, 991..1014, 1044..1106, 1046..1108, 1061..1108, 1075..1119, 1110..1157, 1113..1157, 1114..1161, 1115..1162, 1129..1251, 1136..1237, 1236..1295, 1237..1296, 1238..1297, 1242..1298, 1293..1319, 1298..1411, 1300..1410		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	567
GI	none	Score	187
Exons	1..177, 2..202, 3..194, 98..208, 234..509, 237..566, 238..567		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-

Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.tw	Method	TBLASTX:Wheat
Start	2	End	170
GI	none	Score	223
Exons	2..169, 3..170		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o2.tc	Method	TBLASTX:Cress
Start	2	End	226
GI	none	Score	239
Exons	2..226, 3..200		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.gp	Method	AAT/GAP
Start	208	End	1177
GI	2409_1.R1084	Score	1891
Exons	208..1177		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.tc	Method	TBLASTX:Cress
Start	228	End	627
GI	none	Score	251
Exons	228..260, 276..500, 277..627, 277..621, 309..623, 560..625		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.gs	Method	GENSCAN
Start	237	End	2619
GI	none	Score	.59
Exons	237..529, 2072..2138, 2446..2619		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o1.np	Method	AAT/NAP
Start	240	End	599
GI	128690	Score	625
Exons	240..599		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST gi|66161|pir||DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast gi|11989|emb|CAA34001| (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] gi|226610|prf||1603356AG NADH dehydrogenase ND3 [Oryza sativa]		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o3.ts	Method	TBLASTX:Soybean
Start	1319	End	1986
GI	none	Score	137
Exons	1319..1423, 1320..1439, 1321..1407, 1359..1424, 1383..1469, 1391..1465, 1403..1477, 1405..1485, 1458..1592, 1476..1505, 1511..1609, 1527..1601, 1528..1641, 1619..1687, 1647..1679, 1689..1724, 1689..1724, 1904..1975, 1919..1978, 1921..1986		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o3.tc	Method	TBLASTX:Cress
Start	1340	End	1894
GI	none	Score	88
Exons	1340..1408, 1342..1407, 1359..1409, 1403..1465, 1403..1480, 1404..1475, 1461..1511, 1539..1601, 1540..1611, 1542..1580, 1588..1812, 1593..1694, 1594..1701, 1686..1751, 1757..1891, 1856..1894		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	1497	End	2076
GI	none	Score	462
Exons	1497..1838, 1497..1829, 1498..1848, 1777..1848, 1832..2071, 1840..2076, 1841..2029, 1843..2043		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o4.tc	Method	TBLASTX:Cress
Start	2261	End	2684
GI	none	Score	75
Exons	2261..2431, 2355..2585, 2356..2595, 2421..2585, 2428..2589, 2516..2599, 2590..2667, 2591..2662, 2639..2683, 2661..2684		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o3.tm	Method	TBLASTX:Maize
Start	2294	End	2678
GI	none	Score	131
Exons	2294..2431, 2295..2672, 2334..2678		

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o2.np	Method	AAT/NAP
Start	2344	End	2684
GI	82513	Score	542
Exons	2344..2684		
GI Descrip.	H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - rice chloroplast gi|344015|dbj|BAA00335| (D00432) ATP synthetase		

epsilon subunit [Oryza sativa]

Seq. No.	25445	Seq. ID	OJ990914_15.9B19.C12
Gene No.	52756	Strand	-
Start	208	End	2684
Name	OJ990914_15.9B19.C12.o2.ts	Method	TBLASTX:Soybean
Start	2355	End	2683
GI	none	Score	69
Exons	2355..2657, 2356..2667, 2357..2431, 2439..2657, 2446..2661, 2639..2683		

Seq. No.	25446	Seq. ID	OJ990914_15.9B19.C13
Gene No.	52757	Strand	-
Start	5590	End	6856
Name	OJ990914_15.9B19.C13.o2.gs	Method	GENSCAN
Start	5590	End	6856
GI	none	Score	.51
Exons	5590..5691, 5988..6169, 6664..6856		

Seq. No.	25447	Seq. ID	OJ990914_15.9B19.C14
Gene No.	52758	Strand	+
Start	366	End	1905
Name	OJ990914_15.9B19.C14.o1.gp	Method	AAT/GAP
Start	366	End	1905
GI	57713_5.R1084	Score	511
Exons	366..432, 1659..1905		
GI Descrip.	'6015116/sp|O82653|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	25447	Seq. ID	OJ990914_15.9B19.C14
Gene No.	52759	Strand	+
Start	1950	End	7537
Name	OJ990914_15.9B19.C14.o1.np	Method	AAT/NAP
Start	1950	End	7537
GI	6691193	Score	91
Exons	1950..1974, 4533..4935, 7497..7537		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	25447	Seq. ID	OJ990914_15.9B19.C14
Gene No.	52759	Strand	+
Start	1950	End	7537
Name	OJ990914_15.9B19.C14.o2.gp	Method	AAT/GAP
Start	6790	End	7002
GI	none	Score	276
Exons	6790..7002		

Seq. No.	25448	Seq. ID	OJ990914_15.9B19.C15
Gene No.	52760	Strand	+
Start	565	End	3142
Name	OJ990914_15.9B19.C15.o1.gs	Method	GENSCAN
Start	565	End	3034
GI	none	Score	.5
Exons	565..637, 1234..1611, 1804..2335, 2660..3034		

Seq. No.	25448	Seq. ID	OJ990914_15.9B19.C15
Gene No.	52760	Strand	+

Start	565	End	3142
Name	OJ990914_15.9B19.C15.o1.np	Method	AAT/NAP
Start	1366	End	3142
GI	5441880	Score	1286
Exons	1366..2377, 2822..2853, 3110..3142		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25448	Seq. ID	OJ990914_15.9B19.C15
Gene No.	52761	Strand	-
Start	230	End	284
Name	OJ990914_15.9B19.C15.o1.gp	Method	AAT/GAP
Start	230	End	284
GI	LIB3431-030-P1-N1-G8	Score	82
Exons	230..284		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25448	Seq. ID	OJ990914_15.9B19.C15
Gene No.	52762	Strand	
Start	1933	End	2604
Name	OJ990914_15.9B19.C15.o1.tm	Method	TBLASTX:Maize
Start	1933	End	2411
GI	none	Score	376
Exons	1933..2400, 1938..2051, 2091..2411		

Seq. No.	25448	Seq. ID	OJ990914_15.9B19.C15
Gene No.	52762	Strand	
Start	1933	End	2604
Name	OJ990914_15.9B19.C15.o1.tw	Method	TBLASTX:Wheat
Start	2227	End	2604
GI	none	Score	191
Exons	2227..2376, 2229..2381, 2230..2406, 2430..2498, 2431..2604, 2453..2593		

Seq. No.	25449	Seq. ID	OJ990914_15.9B19.C16
Gene No.	52763	Strand	+
Start	1	End	4733
Name	OJ990914_15.9B19.C16.o1.np	Method	AAT/NAP
Start	1	End	3599
GI	5441880	Score	1275
Exons	1..175, 777..916, 1023..1356, 1936..2234, 2339..2600, 2838..3091, 3385..3599		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25449	Seq. ID	OJ990914_15.9B19.C16
Gene No.	52763	Strand	+
Start	1	End	4733
Name	OJ990914_15.9B19.C16.o1.gs	Method	GENSCAN
Start	66	End	4733
GI	none	Score	.56
Exons	66..104, 110..296, 517..545, 843..916, 990..1098, 1168..1356, 1451..1664, 1737..1855, 1936..2234, 2339..2600, 2846..2947, 3063..3458, 3549..3585, 3649..3902, 3967..4128, 4291..4514,		

4697..4733

Seq. No.	25449	Seq. ID	OJ990914_15.9B19.C16
Gene No.	52763	Strand	+
Start	1	End	4733
Name	OJ990914_15.9B19.C16.o1.gp	Method	AAT/GAP
Start	1029	End	3278
GI	LIB3433-020-P1-K1-A6	Score	762
Exons	1029..1071, 2892..3278		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.gp	Method	AAT/GAP
Start	397	End	1253
GI	606_5.R1084	Score	1412
Exons	397..596, 700..1253		
GI Descrip.	'132105/sp|P18567|RBS3_ORYSA 2.0e-75 RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN C PRECURSOR (RUBISCO SMALL SUBUNIT C) >gi_68094_pir__RKRZS9 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS1139) - rice >gi_218208_dbj_BAA00538_ (D00643) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa] >gi_2407283 (AF017364) ribulose 1,5-bi'		

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.tw	Method	TBLASTX:Wheat
Start	402	End	1071
GI	none	Score	150
Exons	402..599, 446..541, 495..599, 697..1071, 697..1065, 699..1070		

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.tc	Method	TBLASTX:Cress
Start	434	End	951
GI	none	Score	99
Exons	434..514, 437..529, 441..527, 690..950, 697..951, 699..923		

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.gs	Method	GENSCAN
Start	450	End	1224
GI	none	Score	.55
Exons	450..596, 700..1017, 1144..1224		

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.np	Method	AAT/NAP
Start	450	End	1077
GI	132105	Score	880

Exons	450..596, 700..1077
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN C PRECURSOR (RUBISCO SMALL SUBUNIT C) gi|68094|pir||RKRZS9 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS1139) - rice gi|218208|dbj|BAA00538| (D00643) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa] gi|2407283 (AF017364) ribulose 1,5-bisphosphate carboxyla

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.ts	Method	TBLASTX:Soybean
Start	462	End	1065
GI	none	Score	88
Exons	462..527, 464..538, 562..597, 697..1062, 697..1065	574..636, 681..1061, 690..1043,	

Seq. No.	25450	Seq. ID	OJ990914_15.9B19.C18
Gene No.	52764	Strand	+
Start	397	End	1253
Name	OJ990914_15.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	462	End	1065
GI	none	Score	88
Exons	462..527, 464..538, 562..597, 697..1062, 697..1065	574..636, 681..1061, 690..1043,	

Seq. No.	25451	Seq. ID	OJ990914_15.9B19.C19
Gene No.	52765	Strand	-
Start	44	End	699
Name	OJ990914_15.9B19.C19.o1.gs	Method	GENSCAN
Start	44	End	564
GI	none	Score	.89
Exons	44..317, 479..564		

Seq. No.	25451	Seq. ID	OJ990914_15.9B19.C19
Gene No.	52765	Strand	-
Start	44	End	699
Name	OJ990914_15.9B19.C19.o1.np	Method	AAT/NAP
Start	47	End	699
GI	5880683	Score	337
Exons	47..384, 544..699		
GI Descrip.	(AF135454) telomerase reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	25452	Seq. ID	OJ990914_15.9B19.C20
Gene No.	52766	Strand	-
Start	1	End	1045
Name	OJ990914_15.9B19.C20.o1.np	Method	AAT/NAP
Start	1	End	266
GI	5852181	Score	137
Exons	1..266		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	25452	Seq. ID	OJ990914_15.9B19.C20
Gene No.	52766	Strand	-
Start	1	End	1045

Name	OJ990914_15.9B19.C20.o1.gs	Method	GENSCAN
Start	55	End	1045
GI	none	Score	.8
Exons	55..105, 968..1045		

Seq. No.	25453	Seq. ID	OJ990914_15.9B19.C21
Gene No.	52767	Strand	-
Start	1	End	428
Name	OJ990914_15.9B19.C21.o1.np	Method	AAT/NAP
Start	1	End	428
GI	3063700	Score	127
Exons	1..71, 192..310, 408..428		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	25454	Seq. ID	OJ990914_15.9B19.C22
Gene No.	52768	Strand	+
Start	276	End	397
Name	OJ990914_15.9B19.C22.o1.gs	Method	GENSCAN
Start	276	End	397
GI	none	Score	.98
Exons	276..397		

Seq. No.	25455	Seq. ID	OJ990914_15.9B19.C23
Gene No.	52769	Strand	+
Start	561	End	999
Name	OJ990914_15.9B19.C23.o1.np	Method	AAT/NAP
Start	561	End	999
GI	5852939	Score	296
Exons	561..999		
GI Descrip.	(AF172097) telomerase reverse transcriptase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	25455	Seq. ID	OJ990914_15.9B19.C23
Gene No.	52770	Strand	-
Start	781	End	911
Name	OJ990914_15.9B19.C23.o1.gs	Method	GENSCAN
Start	781	End	911
GI	none	Score	.79
Exons	781..911		

Seq. No.	25456	Seq. ID	OJ990914_15.9B19.C24
Gene No.	52771	Strand	+
Start	742	End	1249
Name	OJ990914_15.9B19.C24.o1.gs	Method	GENSCAN
Start	742	End	1249
GI	none	Score	.63
Exons	742..1191, 1220..1249		

Seq. No.	25456	Seq. ID	OJ990914_15.9B19.C24
Gene No.	52772	Strand	-
Start	2080	End	4037
Name	OJ990914_15.9B19.C24.o2.gs	Method	GENSCAN
Start	2080	End	4037
GI	none	Score	.59
Exons	2080..2232, 2298..2544, 3994..4037		

Seq. No.	25457	Seq. ID	OJ990914_15.9B19.C25

Gene No.	52773	Strand	+
Start	1535	End	1648
Name	OJ990914_15.9B19.C25.o1.gs	Method	GENSCAN
Start	1535	End	1648
GI	none	Score	.55
Exons	1535..1648		

Seq. No.	25458	Seq. ID	OJ990914_15.9B19.C27
Gene No.	52774	Strand	-
Start	520	End	999
Name	OJ990914_15.9B19.C27.o1.gs	Method	GENSCAN
Start	520	End	999
GI	none	Score	.54
Exons	520..999		

Seq. No.	25458	Seq. ID	OJ990914_15.9B19.C27
Gene No.	52774	Strand	-
Start	520	End	999
Name	OJ990914_15.9B19.C27.o1.np	Method	AAT/NAP
Start	523	End	999
GI	128857	Score	876
Exons	523..999		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi|82539|pir||S05106 hypothetical protein 159 - rice chloroplast gi|11987|emb|CAA33999| (X15901) ORF159 [Oryza sativa] gi|226608|prf||1603356AE ORF 159 [Oryza sativa]		

Seq. No.	25458	Seq. ID	OJ990914_15.9B19.C27
Gene No.	52775	Strand	-
Start	1100	End	1245
Name	OJ990914_15.9B19.C27.o1.tm	Method	TBLASTX:Maize
Start	300	End	1245
GI	none	Score	68
Exons	300..350, 300..350, 301..351, 349..420, 353..421, 363..392, 418..1077, 424..1059, 1057..1095, 1064..1237, 1068..1238, 1075..1134, 1099..1245, 1100..1234, 1171..1239		

Seq. No.	25458	Seq. ID	OJ990914_15.9B19.C27
Gene No.	52775	Strand	-
Start	1100	End	1245
Name	OJ990914_15.9B19.C27.o1.tc	Method	TBLASTX:Cress
Start	507	End	984
GI	none	Score	237
Exons	507..719, 507..974, 508..975, 508..984, 638..982		

Seq. No.	25458	Seq. ID	OJ990914_15.9B19.C27
Gene No.	52775	Strand	-
Start	1100	End	1245
Name	OJ990914_15.9B19.C27.o1.ts	Method	TBLASTX:Soybean
Start	559	End	1009
GI	none	Score	383
Exons	559..993, 559..993, 635..1009		

Seq. No.	25458	Seq. ID	OJ990914_15.9B19.C27
Gene No.	52775	Strand	-
Start	1100	End	1245
Name	OJ990914_15.9B19.C27.o2.np	Method	AAT/NAP

Start	1100	End	1245
GI	131323	Score	212
Exons	1100..1245		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi|72688|pir||F2RZG psbG protein - rice chloroplast gi|11988|emb|CAA34000| (X15901) psbG; PSII G protein [Oryza sativa] gi|226609|prf||1603356AF photosystem II G protein [Oryza sativa]		

Seq. No.	25459	Seq. ID	OJ990914_15.9B19.C28
Gene No.	52776	Strand	+
Start	379	End	526
Name	OJ990914_15.9B19.C28.o1.gs	Method	GENSCAN
Start	379	End	526
GI	none	Score	.41
Exons	379..526		

Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52777	Strand	+
Start	4576	End	4773
Name	OJ990914_15.9B19.C29.o1.gs	Method	GENSCAN
Start	4576	End	4773
GI	none	Score	.86
Exons	4576..4773		

Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52778	Strand	+
Start	4839	End	5338
Name	OJ990914_15.9B19.C29.o1.gp	Method	AAT/GAP
Start	4839	End	5338
GI	none	Score	977
Exons	4839..5338		

Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o2.gs	Method	GENSCAN
Start	4905	End	14375
GI	none	Score	.86
Exons	4905..4940, 5226..5384, 5600..5672, 5852..6048, 6553..6826, 8765..8967, 9340..9432, 10109..10420, 10861..11028, 12171..12766, 13467..13752, 14256..14375		

Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o1.tm	Method	TBLASTX:Maize
Start	5739	End	6049
GI	none	Score	245
Exons	5739..6044, 5782..6048, 5834..6049, 5846..6043		

Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o1.np	Method	AAT/NAP
Start	5809	End	12602
GI	6728881	Score	1072
Exons	5809..6048, 6553..6826, 8765..8967, 9340..9432, 9686..9751,		

	10109..10420, 10861..11028, 12171..12602		
GI Descrip.	(AC008113) F12A21.2 [Arabidopsis thaliana]		
Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o3.tm	Method	TBLASTX:Maize
Start	6625	End	8970
GI	none	Score	179
Exons	6625..6831, 6677..6832, 8765..8911, 8772..8918, 8773..8910, 8914..8970, 8915..8965, 8916..8969		
Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o2.tm	Method	TBLASTX:Maize
Start	9331	End	10373
GI	none	Score	78
Exons	9331..9435, 9336..9434, 9343..9444, 9543..9617, 9545..9622, 9546..9617, 9547..9618, 9685..9753, 9686..9754, 9686..9754, 10101..10226, 10106..10225, 10109..10240, 10226..10324, 10238..10324, 10322..10372, 10323..10373		
Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o2.gp	Method	AAT/GAP
Start	10134	End	11032
GI	none	Score	795
Exons	10134..10420, 10861..11032		
Seq. No.	25460	Seq. ID	OJ990914_15.9B19.C29
Gene No.	52779	Strand	-
Start	4905	End	14375
Name	OJ990914_15.9B19.C29.o2.np	Method	AAT/NAP
Start	13191	End	13786
GI	5902446	Score	296
Exons	13191..13233, 13368..13786		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		
Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52780	Strand	+
Start	65	End	4795
Name	OJ990914_15.9B19.C30.o1.gs	Method	GENSCAN
Start	65	End	4795
GI	none	Score	.87
Exons	65..182, 3810..3938, 4176..4341, 4433..4498, 4543..4795		
Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52781	Strand	-
Start	3678	End	4287
Name	OJ990914_15.9B19.C30.o1.np	Method	AAT/NAP
Start	3678	End	4287
GI	6721559	Score	256
Exons	3678..3805, 3831..4287		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein		

[Oryza sativa]

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52782	Strand	-
Start	5505	End	6274
Name	OJ990914_15.9B19.C30.o2.np	Method	AAT/NAP
Start	5505	End	6274
GI	4680183	Score	219
Exons	5505..5594, 6204..6274		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52783	Strand	-
Start	9640	End	11798
Name	OJ990914_15.9B19.C30.o3.np	Method	AAT/NAP
Start	9640	End	11798
GI	6691193	Score	1038
Exons	9640..10781, 10863..11218, 11773..11798		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52783	Strand	-
Start	9640	End	11798
Name	OJ990914_15.9B19.C30.o2.ts	Method	TBLASTX:Soybean
Start	9733	End	10153
GI	none	Score	70
Exons	9733..9822, 9871..10098, 10088..10153		

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52783	Strand	-
Start	9640	End	11798
Name	OJ990914_15.9B19.C30.o2.tw	Method	TBLASTX:Wheat
Start	9829	End	10089
GI	none	Score	215
Exons	9829..10089		

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52783	Strand	-
Start	9640	End	11798
Name	OJ990914_15.9B19.C30.o1.tw	Method	TBLASTX:Wheat
Start	10094	End	10524
GI	none	Score	108
Exons	10094..10492, 10305..10493, 10477..10524		

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52783	Strand	-
Start	9640	End	11798
Name	OJ990914_15.9B19.C30.o1.ts	Method	TBLASTX:Soybean
Start	10172	End	10525
GI	none	Score	129
Exons	10172..10495, 10209..10460, 10483..10524, 10484..10525		

Seq. No.	25461	Seq. ID	OJ990914_15.9B19.C30
Gene No.	52783	Strand	-
Start	9640	End	11798
Name	OJ990914_15.9B19.C30.o1.tm	Method	TBLASTX:Maize
Start	11481	End	11797

GI	none	Score	112
Exons	11481..11627, 11678..11797		

Seq. No.	25462	Seq. ID	OJ990914_15.9B19.C31
Gene No.	52784	Strand	
Start	4	End	366
Name	OJ990914_15.9B19.C31.o1.tm	Method	TBLASTX:Maize
Start	4	End	366
GI	none	Score	55
Exons	4..33, 28..237, 90..236, 217..294, 237..284, 286..366		

Seq. No.	25462	Seq. ID	OJ990914_15.9B19.C31
Gene No.	52784	Strand	
Start	4	End	366
Name	OJ990914_15.9B19.C31.o1.tw	Method	TBLASTX:Wheat
Start	10	End	342
GI	none	Score	202
Exons	10..219, 13..219, 229..342, 258..335		

Seq. No.	25463	Seq. ID	OJ990914_15.9B19.C32
Gene No.	52785	Strand	+
Start	48	End	195
Name	OJ990914_15.9B19.C32.o1.gs	Method	GENSCAN
Start	48	End	195
GI	none	Score	.49
Exons	48..195		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52786	Strand	+
Start	3377	End	3899
Name	OJ990804_14.9B12.C1.o1.gp	Method	AAT/GAP
Start	3356	End	3875
GI	2800806	Score	440
Exons	3356..3492, 3730..3875		
GI Descrip.	5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52786	Strand	+
Start	3377	End	3899
Name	OJ990804_14.9B12.C1.o2.gs	Method	GENSCAN
Start	3377	End	3588
GI	none	Score	.51
Exons	3377..3492, 3519..3588		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52786	Strand	+
Start	3377	End	3899
Name	OJ990804_14.9B12.C1.o2.gp	Method	AAT/GAP
Start	3462	End	3899
GI	2800806	Score	290
Exons	3462..3492, 3730..3899		
GI Descrip.	5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52787	Strand	-

Start	327	End	1043
Name	OJ990804_14.9B12.C1.o1.gs	Method	GENSCAN
Start	327	End	1043
GI	none	Score	.89
Exons	327..1043		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52788	Strand	-
Start	3974	End	4742
Name	OJ990804_14.9B12.C1.o3.gs	Method	GENSCAN
Start	3974	End	4678
GI	none	Score	.98
Exons	3974..4678		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52788	Strand	-
Start	3974	End	4742
Name	OJ990804_14.9B12.C1.o1.np	Method	AAT/NAP
Start	3977	End	4684
GI	2558663	Score	173
Exons	3977..4684		
GI Descrip.	(AC002354) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52788	Strand	-
Start	3974	End	4742
Name	OJ990804_14.9B12.C1.o3.gp	Method	AAT/GAP
Start	4321	End	4742
GI	LIB3434-033-P1-K1-C5	Score	816
Exons	4321..4742		
GI Descrip.	'5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2'		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52789	Strand	-
Start	5597	End	6326
Name	OJ990804_14.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	378	End	6183
GI	none	Score	70
Exons	378..467, 379..456, 380..511, 498..611, 505..669, 613..786, 666..827, 671..826, 4025..4252, 4026..4199, 4026..4268, 4027..4266, 4263..4460, 4267..4461, 4298..4465, 4302..4463, 5648..5866, 5649..5888, 5868..6047, 5880..6083, 5921..6088, 5929..6084, 6136..6183		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52789	Strand	-
Start	5597	End	6326
Name	OJ990804_14.9B12.C1.o2.tm	Method	TBLASTX:Maize
Start	831	End	6326
GI	none	Score	80
Exons	831..983, 831..1043, 832..1044, 847..1044, 1038..1091, 1038..1094, 1055..1093, 4487..4654, 4494..4631, 6119..6277, 6198..6254, 6252..6326		

Seq. No.	25464	Seq. ID	OJ990804_14.9B12.C1
Gene No.	52789	Strand	-

Start	5597	End	6326
Name	OJ990804_14.9B12.C1.o4.gs	Method	GENSCAN
Start	5597	End	6301
GI	none	Score	.79
Exons	5597..6301		

Seq. No.	25465	Seq. ID	OJ990804_14.9B12.C2
Gene No.	52790	Strand	+
Start	1	End	640
Name	OJ990804_14.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	637
GI	6554491	Score	354
Exons	1..61, 148..414, 451..637		
GI Descrip.	(AC012394) putative auxin-independent growth promoter [Arabidopsis thaliana]		

Seq. No.	25465	Seq. ID	OJ990804_14.9B12.C2
Gene No.	52790	Strand	+
Start	1	End	640
Name	OJ990804_14.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	367
GI	none	Score	91
Exons	2..61, 3..62, 7..72, 8..70, 136..276, 146..367, 263..367		

Seq. No.	25465	Seq. ID	OJ990804_14.9B12.C2
Gene No.	52790	Strand	+
Start	1	End	640
Name	OJ990804_14.9B12.C2.o1.ts	Method	TBLASTX:Soybean
Start	2	End	427
GI	none	Score	97
Exons	2..61, 3..62, 137..346, 146..427		

Seq. No.	25465	Seq. ID	OJ990804_14.9B12.C2
Gene No.	52790	Strand	+
Start	1	End	640
Name	OJ990804_14.9B12.C2.o1.gs	Method	GENSCAN
Start	36	End	640
GI	none	Score	.88
Exons	36..61, 148..640		

Seq. No.	25465	Seq. ID	OJ990804_14.9B12.C2
Gene No.	52790	Strand	+
Start	1	End	640
Name	OJ990804_14.9B12.C2.o1.tc	Method	TBLASTX:Cress
Start	36	End	430
GI	none	Score	42
Exons	36..62, 136..276, 146..430, 146..364		

Seq. No.	25466	Seq. ID	OJ990804_14.9B12.C3
Gene No.	52791	Strand	+
Start	193	End	1495
Name	OJ990804_14.9B12.C3.o1.gs	Method	GENSCAN
Start	193	End	1495
GI	none	Score	.9
Exons	193..224, 1366..1495		

Seq. No.	25466	Seq. ID	OJ990804_14.9B12.C3

Gene No.	52792	Strand	+
Start	1855	End	4723
Name	OJ990804_14.9B12.C3.o2.gs	Method	GENSCAN
Start	1855	End	4682
GI	none	Score	.93
Exons	1855..1926, 2044..2165, 2563..2682, 3034..3175, 3265..3435, 3531..3686, 3850..3956, 4084..4174, 4513..4682		

Seq. No.	25466	Seq. ID	OJ990804_14.9B12.C3
Gene No.	52792	Strand	+
Start	1855	End	4723
Name	OJ990804_14.9B12.C3.o1.np	Method	AAT/NAP
Start	1885	End	4723
GI	2160180	Score	1316
Exons	1885..1932, 2035..2165, 2403..2510, 2563..2682, 2808..3175, 3265..3450, 3522..3686, 3850..3956, 4084..4174, 4307..4421, 4458..4723		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	25466	Seq. ID	OJ990804_14.9B12.C3
Gene No.	52792	Strand	+
Start	1855	End	4723
Name	OJ990804_14.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	2026	End	3393
GI	none	Score	173
Exons	2026..2166, 2043..2123, 2401..2424, 2404..2439, 2554..2700, 2564..2683, 2805..2936, 2806..2928, 3026..3172, 3026..3139, 3255..3302, 3262..3297, 3303..3389, 3304..3393		

Seq. No.	25466	Seq. ID	OJ990804_14.9B12.C3
Gene No.	52792	Strand	+
Start	1855	End	4723
Name	OJ990804_14.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	4409	End	4687
GI	none	Score	39
Exons	4409..4432, 4521..4673, 4521..4679, 4522..4677, 4523..4687		

Seq. No.	25466	Seq. ID	OJ990804_14.9B12.C3
Gene No.	52792	Strand	+
Start	1855	End	4723
Name	OJ990804_14.9B12.C3.o2.ts	Method	TBLASTX:Soybean
Start	4549	End	4685
GI	none	Score	214
Exons	4549..4683, 4550..4684, 4551..4685		

Seq. No.	25467	Seq. ID	OJ990804_14.9B12.C4
Gene No.	52793	Strand	+
Start	1	End	206
Name	OJ990804_14.9B12.C4.o1.np	Method	AAT/NAP
Start	1	End	206
GI	2160180	Score	237
Exons	1..206		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	25467	Seq. ID	OJ990804_14.9B12.C4
Gene No.	52794	Strand	-
Start	2650	End	2981

Name	OJ990804_14.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	206
GI	none	Score	191
Exons	2..175, 2..205, 3..206		

Seq. No.	25467	Seq. ID	OJ990804_14.9B12.C4
Gene No.	52794	Strand	-
Start	2650	End	2981
Name	OJ990804_14.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	8	End	200
GI	none	Score	235
Exons	8..181, 9..200		

Seq. No.	25467	Seq. ID	OJ990804_14.9B12.C4
Gene No.	52794	Strand	-
Start	2650	End	2981
Name	OJ990804_14.9B12.C4.o2.gs	Method	GENSCAN
Start	2650	End	2981
GI	none	Score	.87
Exons	2650..2822, 2941..2981		

Seq. No.	25468	Seq. ID	OJ990804_14.9B12.C5
Gene No.	52795	Strand	+
Start	3045	End	5854
Name	OJ990804_14.9B12.C5.o2.np	Method	AAT/NAP
Start	3045	End	5854
GI	2160180	Score	107
Exons	3045..3092, 3173..3307, 5831..5854		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	25468	Seq. ID	OJ990804_14.9B12.C5
Gene No.	52796	Strand	-
Start	30	End	108
Name	OJ990804_14.9B12.C5.o1.np	Method	AAT/NAP
Start	30	End	108
GI	6630699	Score	79
Exons	30..108		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25469	Seq. ID	OJ990804_14.9B12.C6
Gene No.	52797	Strand	
Start	310	End	614
Name	OJ990804_14.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	310	End	614
GI	none	Score	232
Exons	310..525, 313..507, 345..512, 514..612, 528..614		

Seq. No.	25470	Seq. ID	OJ990804_14.9B12.C8
Gene No.	52798	Strand	-
Start	23	End	109
Name	OJ990804_14.9B12.C8.o1.gs	Method	GENSCAN
Start	23	End	109
GI	none	Score	.7
Exons	23..109		

Seq. No.	25471	Seq. ID	OJ990804_14.9B12.C9
Gene No.	52799	Strand	+
Start	169	End	234
Name	OJ990804_14.9B12.C9.o1.gs	Method	GENSCAN
Start	169	End	234
GI	none	Score	.49
Exons	169..234		

Seq. No.	25472	Seq. ID	OJ990804_14.9B12.C11
Gene No.	52800	Strand	-
Start	179	End	673
Name	OJ990804_14.9B12.C11.o1.gs	Method	GENSCAN
Start	179	End	658
GI	none	Score	.63
Exons	179..658		

Seq. No.	25472	Seq. ID	OJ990804_14.9B12.C11
Gene No.	52800	Strand	-
Start	179	End	673
Name	OJ990804_14.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	230	End	673
GI	none	Score	353
Exons	230..673, 231..632, 506..670		

Seq. No.	25473	Seq. ID	OJ990804_14.9B12.C12
Gene No.	52801	Strand	-
Start	20	End	154
Name	OJ990804_14.9B12.C12.o1.gs	Method	GENSCAN
Start	20	End	154
GI	none	Score	.89
Exons	20..154		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52802	Strand	+
Start	3119	End	14023
Name	OJ990804_14.9B12.C15.o1.np	Method	AAT/NAP
Start	3119	End	14023
GI	4038043	Score	776
Exons	3119..3220, 7469..7550, 7635..8032, 11330..12110, 12198..12345, 13757..13857, 13931..14023		
GI Descrip.	(AC005936) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52802	Strand	+
Start	3119	End	14023
Name	OJ990804_14.9B12.C15.o3.gs	Method	GENSCAN
Start	7400	End	9020
GI	none	Score	.53
Exons	7400..7554, 7690..8032, 8961..9020		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52802	Strand	+
Start	3119	End	14023
Name	OJ990804_14.9B12.C15.o4.gs	Method	GENSCAN
Start	11403	End	12428
GI	none	Score	.88

Exons	11403..12428		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52802	Strand	+
Start	3119	End	14023
Name	OJ990804_14.9B12.C15.o1.gp	Method	AAT/GAP
Start	11872	End	12254
GI	none	Score	750
Exons	11872..12254		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52803	Strand	+
Start	14096	End	14392
Name	OJ990804_14.9B12.C15.o5.gs	Method	GENSCAN
Start	14096	End	14392
GI	none	Score	.97
Exons	14096..14137, 14231..14392		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52804	Strand	-
Start	2740	End	3430
Name	OJ990804_14.9B12.C15.o1.gs	Method	GENSCAN
Start	2740	End	3430
GI	none	Score	.51
Exons	2740..2797, 2873..2969, 3127..3430		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52805	Strand	-
Start	4676	End	5258
Name	OJ990804_14.9B12.C15.o2.gs	Method	GENSCAN
Start	4676	End	5258
GI	none	Score	.94
Exons	4676..4745, 5158..5258		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52806	Strand	-
Start	12385	End	12722
Name	OJ990804_14.9B12.C15.o2.gp	Method	AAT/GAP
Start	12385	End	12722
GI	none	Score	656
Exons	12385..12722		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	7520	End	11390
GI	none	Score	55
Exons	7520..7552, 7634..7720, 7660..7719, 7689..7757, 7704..7928, 7709..7744, 7754..7909, 7926..8033, 7943..8032, 11328..11390		
Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	7520	End	12350
GI	none	Score	58

Exons	7520..7552, 7634..7693, 7660..7686, 7691..7810, 7692..7811, 7802..7888, 7803..7886, 7881..8033, 7898..8029, 11324..11386, 11328..11399, 11328..11390, 11972..12034, 11973..12035, 12228..12350		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	7692	End	8012
GI	none	Score	557
Exons	7692..8012, 7697..7909, 7949..8011		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o6.gs	Method	GENSCAN
Start	14723	End	15209
GI	none	Score	.74
Exons	14723..15209		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o2.np	Method	AAT/NAP
Start	14729	End	15263
GI	2160180	Score	322
Exons	14729..14962, 15083..15263		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o2.tm	Method	TBLASTX:Maize
Start	14729	End	14962
GI	none	Score	261
Exons	14729..14962, 14730..14957, 14753..14962		

Seq. No.	25474	Seq. ID	OJ990804_14.9B12.C15
Gene No.	52807	Strand	-
Start	14723	End	15263
Name	OJ990804_14.9B12.C15.o2.tc	Method	TBLASTX:Cress
Start	14735	End	14927
GI	none	Score	132
Exons	14735..14926, 14754..14927		

Seq. No.	25475	Seq. ID	OJ990804_14.9B12.C18
Gene No.	52808	Strand	+
Start	558	End	1365
Name	OJ990804_14.9B12.C18.o1.gs	Method	GENSCAN
Start	558	End	1365
GI	none	Score	.65
Exons	558..587, 1137..1365		

Seq. No.	25476	Seq. ID	OJ990804_14.9B12.C19
Gene No.	52809	Strand	+
Start	1	End	5742

Name	OJ990804_14.9B12.C19.o3.np	Method	AAT/NAP
Start	1	End	5742
GI	6815109	Score	209
Exons	1..41, 4499..5244, 5428..5742		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25476	Seq. ID	OJ990804_14.9B12.C19
Gene No.	52809	Strand	+
Start	1	End	5742
Name	OJ990804_14.9B12.C19.o1.gs	Method	GENSCAN
Start	260	End	3116
GI	none	Score	.52
Exons	260..450, 829..987, 2974..3116		

Seq. No.	25476	Seq. ID	OJ990804_14.9B12.C19
Gene No.	52810	Strand	-
Start	1441	End	3502
Name	OJ990804_14.9B12.C19.o2.np	Method	AAT/NAP
Start	1441	End	3502
GI	6721561	Score	124
Exons	1441..1491, 3412..3502		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25476	Seq. ID	OJ990804_14.9B12.C19
Gene No.	52811	Strand	-
Start	4042	End	5498
Name	OJ990804_14.9B12.C19.o2.gs	Method	GENSCAN
Start	4042	End	5498
GI	none	Score	.8
Exons	4042..4125, 4408..4509, 4626..4760, 4858..5145, 5445..5498		

Seq. No.	25476	Seq. ID	OJ990804_14.9B12.C19
Gene No.	52812	Strand	-
Start	7240	End	8021
Name	OJ990804_14.9B12.C19.o1.tm	Method	TBLASTX:Maize
Start	1182	End	1406
GI	none	Score	166
Exons	1182..1307, 1199..1306, 1332..1406		

Seq. No.	25476	Seq. ID	OJ990804_14.9B12.C19
Gene No.	52812	Strand	-
Start	7240	End	8021
Name	OJ990804_14.9B12.C19.o3.gs	Method	GENSCAN
Start	7240	End	8021
GI	none	Score	.53
Exons	7240..7288, 7613..7715, 7797..8021		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52813	Strand	+
Start	348	End	749
Name	OJ990804_14.9B12.C20.o1.gs	Method	GENSCAN
Start	348	End	749
GI	none	Score	.71

Exons 348..464, 639..749

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52814	Strand	+
Start	819	End	1268
Name	OJ990804_14.9B12.C20.o1.gp	Method	AAT/GAP
Start	819	End	1268
GI	4799_1.R1084	Score	880
Exons	819..1268		
GI Descrip.	'4115377 1.0e-33 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52815	Strand	+
Start	5819	End	5897
Name	OJ990804_14.9B12.C20.o2.np	Method	AAT/NAP
Start	5819	End	5897
GI	6630699	Score	68
Exons	5819..5897		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52816	Strand	-
Start	1030	End	4473
Name	OJ990804_14.9B12.C20.o2.gs	Method	GENSCAN
Start	1030	End	4408
GI	none	Score	.92
Exons	1030..2187, 2310..2463, 2570..2682, 2757..2862, 2947..3056, 3148..3312, 4292..4408		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52816	Strand	-
Start	1030	End	4473
Name	OJ990804_14.9B12.C20.o1.np	Method	AAT/NAP
Start	1033	End	4400
GI	4115377	Score	2423
Exons	1033..2187, 2310..2463, 2570..2682, 2757..2862, 2947..3056, 3148..3350, 4262..4400		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52816	Strand	-
Start	1030	End	4473
Name	OJ990804_14.9B12.C20.o2.gp	Method	AAT/GAP
Start	1505	End	2092
GI	16061_1.R1084	Score	1087
Exons	1505..2092		
GI Descrip.	'4115377 3.0e-80 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52816	Strand	-
Start	1030	End	4473
Name	OJ990804_14.9B12.C20.o3.gp	Method	AAT/GAP

Start	2104	End	4473
GI	30269_1.R1084	Score	1560
Exons	2104..2187, 2310..2463, 2570..2682, 2757..2862, 2947..3056, 3148..3312, 4292..4473		
GI Descrip.	'4115377 3.0e-91 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o1.tc	Method	TBLASTX:Cress
Start	1015	End	1656
GI	none	Score	710
Exons	1015..1299, 1034..1648, 1077..1655, 1372..1647, 1378..1656		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o1.tm	Method	TBLASTX:Maize
Start	1021	End	3322
GI	none	Score	1540
Exons	1021..1299, 1028..2194, 1028..1915, 1372..2187, 1946..2194, 2302..2469, 2305..2457, 2310..2465, 2559..2675, 2560..2679, 2560..2682, 2570..2683, 2705..2866, 2757..2861, 2758..2862, 2939..3040, 2946..3038, 2947..3039, 3134..3313, 3136..3315, 3148..3315, 3152..3322, 3153..3320		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o1.ts	Method	TBLASTX:Soybean
Start	1030	End	2801
GI	none	Score	1162
Exons	1030..1299, 1031..2197, 1031..1915, 1372..2187, 1955..2188, 2302..2469, 2310..2480, 2310..2465, 2320..2466, 2560..2682, 2570..2683, 2757..2801		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o1.tw	Method	TBLASTX:Wheat
Start	1619	End	1956
GI	none	Score	65
Exons	1619..1714, 1624..1734, 1738..1956, 1739..1948		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o3.tc	Method	TBLASTX:Cress
Start	1657	End	1980
GI	none	Score	327
Exons	1657..1980, 1658..1978		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o4.tc	Method	TBLASTX:Cress

Start	2014	End	2193
GI	none	Score	152
Exons	2014..2187, 2020..2193		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o2.tc	Method	TBLASTX:Cress
Start	2319	End	3315
GI	none	Score	111
Exons	2319..2423, 2320..2430, 2430..2465, 2560..2682, 2570..2683, 2757..2810, 2762..2809, 2817..2861, 2818..2865, 2946..3056, 3134..3310, 3151..3315, 3151..3309, 3153..3314		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o2.ts	Method	TBLASTX:Soybean
Start	2802	End	3328
GI	none	Score	182
Exons	2802..2861, 2946..3056, 3134..3298, 3144..3314, 3148..3318, 3148..3318, 3152..3328		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o3.np	Method	AAT/NAP
Start	6036	End	8144
GI	5922620	Score	315
Exons	6036..6177, 7594..7666, 7704..7909, 7959..8144		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25477	Seq. ID	OJ990804_14.9B12.C20
Gene No.	52817	Strand	-
Start	6036	End	8144
Name	OJ990804_14.9B12.C20.o4.gs	Method	GENSCAN
Start	7147	End	8090
GI	none	Score	.6
Exons	7147..7281, 7328..7521, 7914..8090		

Seq. No.	25478	Seq. ID	OJ990804_14.9B12.C22
Gene No.	52818	Strand	-
Start	1	End	419
Name	OJ990804_14.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	419
GI	2160180	Score	234
Exons	1..216, 336..419		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	25478	Seq. ID	OJ990804_14.9B12.C22
Gene No.	52818	Strand	-
Start	1	End	419
Name	OJ990804_14.9B12.C22.o1.ts	Method	TBLASTX:Soybean

Start	93	End	418
GI	none	Score	70
Exons	93..215, 120..218, 124..219, 318..407, 335..418		

Seq. No.	25479	Seq. ID	OJ990804_14.9B12.C23
Gene No.	52819	Strand	+
Start	553	End	639
Name	OJ990804_14.9B12.C23.o1.gs	Method	GENSCAN
Start	553	End	639
GI	none	Score	.53
Exons	553..639		

Seq. No.	25480	Seq. ID	OJ990804_14.9B12.C24
Gene No.	52820	Strand	-
Start	1009	End	1179
Name	OJ990804_14.9B12.C24.o1.gs	Method	GENSCAN
Start	1009	End	1179
GI	none	Score	.42
Exons	1009..1179		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52821	Strand	+
Start	591	End	646
Name	OJ990804_14.9B12.C25.o1.gs	Method	GENSCAN
Start	591	End	646
GI	none	Score	.7
Exons	591..646		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52822	Strand	+
Start	990	End	4198
Name	OJ990804_14.9B12.C25.o1.np	Method	AAT/NAP
Start	990	End	4198
GI	3894191	Score	88
Exons	990..1083, 2734..2970, 4178..4198		
GI Descrip.	(AC005662) unknown protein [Arabidopsis thaliana]		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52823	Strand	+
Start	4841	End	6843
Name	OJ990804_14.9B12.C25.o3.np	Method	AAT/NAP
Start	4841	End	6414
GI	3367537	Score	63
Exons	4841..4872, 6250..6414		
GI Descrip.	(AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi|485107 from Caenorhabditis elegans cosmid gb|U00049. This gene is continued from unannotated gene on BAC F19K23 gb|AC000375. [Arabid...		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52823	Strand	+
Start	4841	End	6843
Name	OJ990804_14.9B12.C25.o3.gs	Method	GENSCAN
Start	6251	End	6843
GI	none	Score	.97
Exons	6251..6455, 6461..6843		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52824	Strand	+
Start	8112	End	8246
Name	OJ990804_14.9B12.C25.o1.gp	Method	AAT/GAP
Start	8069	End	8246
GI	30269_1.R1084	Score	292
Exons	8069..8246		
GI Descrip.	'4115377 3.0e-91 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52824	Strand	+
Start	8112	End	8246
Name	OJ990804_14.9B12.C25.o4.gs	Method	GENSCAN
Start	8112	End	8246
GI	none	Score	.62
Exons	8112..8246		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52825	Strand	-
Start	2563	End	8449
Name	OJ990804_14.9B12.C25.o2.gs	Method	GENSCAN
Start	2563	End	5843
GI	none	Score	.58
Exons	2563..3059, 5645..5843		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52825	Strand	-
Start	2563	End	8449
Name	OJ990804_14.9B12.C25.o2.np	Method	AAT/NAP
Start	2636	End	8449
GI	6634762	Score	110
Exons	2636..3093, 5712..5896, 6096..6145, 8419..8449		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF|00170 domain. ESTs gb|R30400, gb|AA650964, gb|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25481	Seq. ID	OJ990804_14.9B12.C25
Gene No.	52825	Strand	-
Start	2563	End	8449
Name	OJ990804_14.9B12.C25.o1.tm	Method	TBLASTX:Maize
Start	5607	End	6171
GI	none	Score	166
Exons	5607..5636, 5682..5867, 5740..5859, 5742..5867, 5864..5908, 5865..5912, 6090..6152, 6097..6171		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52826	Strand	+
Start	1977	End	2063
Name	OJ990804_14.9B12.C26.o3.np	Method	AAT/NAP
Start	1977	End	2063
GI	6721561	Score	84
Exons	1977..2063		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52827	Strand	+
Start	4402	End	6963
Name	OJ990804_14.9B12.C26.o1.gp	Method	AAT/GAP
Start	4374	End	6888
GI	30269_1.R1084	Score	1533
Exons	4374..4536, 5675..5839, 5931..6040, 6125..6230, 6307..6419, 6526..6679, 6805..6888		
GI Descrip.	'4115377 3.0e-91 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52827	Strand	+
Start	4402	End	6963
Name	OJ990804_14.9B12.C26.o3.gs	Method	GENSCAN
Start	4402	End	6405
GI	none	Score	.69
Exons	4402..4536, 5675..5839, 5931..6040, 6125..6230, 6307..6405		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52827	Strand	+
Start	4402	End	6963
Name	OJ990804_14.9B12.C26.o4.np	Method	AAT/NAP
Start	4429	End	6963
GI	4115377	Score	937
Exons	4429..4565, 5636..5839, 5931..6040, 6125..6230, 6307..6419, 6526..6679, 6805..6963		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52828	Strand	-
Start	1	End	1156
Name	OJ990804_14.9B12.C26.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	6815109	Score	471
Exons	1..867, 893..988, 1056..1156		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52828	Strand	-
Start	1	End	1156
Name	OJ990804_14.9B12.C26.o1.gs	Method	GENSCAN
Start	165	End	485
GI	none	Score	.9
Exons	165..485		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52829	Strand	-
Start	1855	End	6963
Name	OJ990804_14.9B12.C26.o2.np	Method	AAT/NAP
Start	1855	End	5905
GI	4680183	Score	128
Exons	1855..1944, 5880..5905		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52829	Strand	-
Start	1855	End	6963
Name	OJ990804_14.9B12.C26.o1.tm	Method	TBLASTX:Maize
Start	5665	End	6963
GI	none	Score	205
Exons	5665..5838, 5667..5837, 5672..5851, 5672..5839, 5674..5850, 5947..6048, 5948..6064, 5949..6041, 6121..6222, 6121..6231, 6126..6230, 6306..6419, 6307..6417, 6310..6423, 6520..6708, 6522..6680, 6524..6697, 6798..6962, 6799..6960, 6803..6961, 6805..6963		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52829	Strand	-
Start	1855	End	6963
Name	OJ990804_14.9B12.C26.o2.ts	Method	TBLASTX:Soybean
Start	5669	End	6185
GI	none	Score	241
Exons	5669..5839, 5689..5847, 5934..6041, 6126..6185		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52829	Strand	-
Start	1855	End	6963
Name	OJ990804_14.9B12.C26.o1.tc	Method	TBLASTX:Cress
Start	5677	End	6670
GI	none	Score	234
Exons	5677..5847, 5678..5836, 5934..6041, 6122..6163, 6126..6170, 6180..6230, 6180..6224, 6306..6476, 6307..6417, 6524..6559, 6559..6669, 6566..6670		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52829	Strand	-
Start	1855	End	6963
Name	OJ990804_14.9B12.C26.o1.ts	Method	TBLASTX:Soybean
Start	6186	End	6963
GI	none	Score	54
Exons	6186..6230, 6306..6425, 6307..6417, 6509..6679, 6520..6696, 6523..6669, 6524..6697, 6799..6960, 6804..6950, 6805..6963		

Seq. No.	25482	Seq. ID	OJ990804_14.9B12.C26
Gene No.	52829	Strand	-
Start	1855	End	6963
Name	OJ990804_14.9B12.C26.o2.tc	Method	TBLASTX:Cress
Start	6799	End	6963
GI	none	Score	99
Exons	6799..6960, 6804..6938, 6805..6963, 6870..6962		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52830	Strand	+
Start	1	End	96
Name	OJ990804_14.9B12.C27.o1.np	Method	AAT/NAP
Start	1	End	96
GI	4115377	Score	102
Exons	1..96		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52831	Strand	+
Start	1	End	3290
Name	OJ990804_14.9B12.C27.o2.np	Method	AAT/NAP
Start	1	End	3287
GI	4115377	Score	1737
Exons	1..18, 940..1104, 1233..1342, 1423..1528, 1652..1764, 1852..2005, 2135..3287		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52831	Strand	+
Start	1	End	3290
Name	OJ990804_14.9B12.C27.o1.gs	Method	GENSCAN
Start	425	End	3290
GI	none	Score	.91
Exons	425..465, 539..664, 689..823, 940..1104, 1233..1342, 1852..2005, 2135..2329, 2409..3290		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-
Start	1	End	3272
Name	OJ990804_14.9B12.C27.o1.gp	Method	AAT/GAP
Start	1	End	310
GI	4799_1.R1084	Score	527
Exons	1..310		
GI Descrip.	'4115377 1.0e-33 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-
Start	1	End	3272
Name	OJ990804_14.9B12.C27.o1.tm	Method	TBLASTX:Maize
Start	4	End	3272
GI	none	Score	111
Exons	4..108, 25..99, 27..101, 182..247, 187..249, 938..1090, 942..1100, 943..1101, 1205..1342, 1251..1343, 1416..1526, 1427..1528, 1652..1762, 1660..1764, 1661..1762, 1849..2007, 1850..2005, 1955..2017, 2132..2431, 2132..2431, 2146..2433, 2254..2439, 2385..2573, 2439..2576, 2549..2947, 2573..2971, 2577..3272, 2614..2970, 2691..3068, 3002..3271, 3147..3272		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-
Start	1	End	3272
Name	OJ990804_14.9B12.C27.o1.ts	Method	TBLASTX:Soybean
Start	25	End	3272
GI	none	Score	114
Exons	25..99, 27..98, 1655..1762, 1666..1764, 1849..2001, 1850..2005, 2132..2431, 2132..2428, 2149..2433, 2385..2573, 2408..2572, 2439..2576, 2573..2713, 2573..2938, 2577..3272, 2583..3083, 2984..3271		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-

Start	1	End	3272
Name	OJ990804_14.9B12.C27.o1.tc	Method	TBLASTX:Cress
Start	25	End	3272
GI	none	Score	122
Exons	25..114, 27..95, 2672..2947, 2673..3272, 2691..3068, 2996..3271		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-
Start	1	End	3272
Name	OJ990804_14.9B12.C27.o2.tc	Method	TBLASTX:Cress
Start	862	End	1999
GI	none	Score	170
Exons	862..1101, 937..1101, 939..1109, 1233..1343, 1427..1468, 1484..1528, 1655..1762, 1658..1759, 1663..1764, 1666..1794, 1849..1878, 1850..1882, 1892..1999		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-
Start	1	End	3272
Name	OJ990804_14.9B12.C27.o3.tc	Method	TBLASTX:Cress
Start	2132	End	2350
GI	none	Score	256
Exons	2132..2350, 2132..2350		

Seq. No.	25483	Seq. ID	OJ990804_14.9B12.C27
Gene No.	52832	Strand	-
Start	1	End	3272
Name	OJ990804_14.9B12.C27.o4.tc	Method	TBLASTX:Cress
Start	2350	End	2666
GI	none	Score	113
Exons	2350..2418, 2351..2431, 2385..2573, 2432..2572, 2448..2576, 2546..2662, 2577..2666		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52833	Strand	+
Start	4071	End	4373
Name	OJ990804_14.9B12.C29.o2.gp	Method	AAT/GAP
Start	4071	End	4373
GI	569061	Score	572
Exons	4071..4373		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52834	Strand	-
Start	1	End	3188
Name	OJ990804_14.9B12.C29.o1.gp	Method	AAT/GAP
Start	1	End	970
GI	426588	Score	492
Exons	1..100, 813..970		
GI Descrip.	4539347/emb|CAB37495.1| 2.0e-45 (AL035539) putative growth regulator protein [Arabidopsis thaliana]		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52834	Strand	-
Start	1	End	3188
Name	OJ990804_14.9B12.C29.o1.np	Method	AAT/NAP
Start	1	End	3188
GI	6554491	Score	739

Exons	1..100, 813..994, 1249..1432, 1529..1617, 1839..1915, 2086..2153, 2967..3188		
GI Descrip.	(AC012394) putative auxin-independent growth promoter [Arabidopsis thaliana]		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52834	Strand	-
Start	1	End	3188
Name	OJ990804_14.9B12.C29.o1.gs	Method	GENSCAN
Start	813	End	3007
GI	none	Score	.62
Exons	813..994, 1249..1432, 1529..1617, 2668..2736, 2822..3007		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2149
GI	none	Score	87
Exons	1..102, 2..103, 10..102, 68..127, 809..943, 826..936, 932..991, 945..998, 1249..1341, 1250..1324, 1339..1434, 1385..1438, 1529..1618, 1531..1617, 1780..1908, 1836..1913, 2090..2149		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o3.tm	Method	TBLASTX:Maize
Start	896	End	1368
GI	none	Score	128
Exons	896..994, 897..998, 1238..1366, 1244..1348, 1246..1368, 1249..1368		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o2.gs	Method	GENSCAN
Start	4193	End	7960
GI	none	Score	.54
Exons	4193..4358, 4490..4580, 4629..4721, 4987..5060, 5138..5208, 5947..6016, 7111..7222, 7425..7698, 7739..7960		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o3.gp	Method	AAT/GAP
Start	4433	End	5484
GI	LIB3432-008-P1-K1-D11	Score	746
Exons	4433..4556, 4660..4721, 4844..4902, 4987..5060, 5138..5208, 5426..5484		
GI Descrip.	'4539347/emb|CAB37495.1| 2.0e-45 (AL035539) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o2.tc	Method	TBLASTX:Cress
Start	4680	End	5454

GI	none	Score	41
Exons	4680..4739, 4841..4909, 4985..5062, 5170..5208, 5307..5339, 5425..5454		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o2.np	Method	AAT/NAP
Start	5010	End	7820
GI	6573710	Score	635
Exons	5010..5208, 5298..5343, 5426..5507, 5940..6016, 6125..6252, 6433..6670, 7108..7258, 7308..7463, 7615..7698, 7773..7820		
GI Descrip.	(AC009978) T23E18.19 [Arabidopsis thaliana]		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o2.ts	Method	TBLASTX:Soybean
Start	5137	End	7701
GI	none	Score	59
Exons	5137..5208, 5171..5209, 5310..5342, 5407..5511, 5435..5512, 5935..6057, 5936..6037, 6124..6234, 6124..6252, 6430..6531, 6431..6529, 7113..7169, 7173..7247, 7326..7469, 7326..7463, 7603..7701		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o2.tm	Method	TBLASTX:Maize
Start	5138	End	6008
GI	none	Score	86
Exons	5138..5218, 5152..5220, 5152..5208, 5165..5215, 5298..5345, 5307..5342, 5425..5511, 5426..5512, 5463..5513, 5935..6006, 5952..6008, 5957..6007		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	6475	End	7824
GI	none	Score	89
Exons	6475..6516, 6508..6531, 7112..7219, 7113..7247, 7114..7209, 7326..7463, 7330..7464, 7603..7701, 7640..7699, 7749..7820, 7771..7824, 7771..7824		

Seq. No.	25484	Seq. ID	OJ990804_14.9B12.C29
Gene No.	52835	Strand	-
Start	4193	End	7960
Name	OJ990804_14.9B12.C29.o1.tc	Method	TBLASTX:Cress
Start	7107	End	7683
GI	none	Score	62
Exons	7107..7211, 7110..7223, 7324..7431, 7326..7454, 7612..7683		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52836	Strand	+
Start	1	End	3500
Name	OJ990804_14.9B12.C30.o1.np	Method	AAT/NAP

Start	1	End	3500
GI	3080425	Score	1364
Exons	1..116, 1169..1388, 1477..1575, 1812..2006, 2129..2221, 2327..2422, 3081..3221, 3327..3500		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52836	Strand	+
Start	1	End	3500
Name	OJ990804_14.9B12.C30.o1.gs	Method	GENSCAN
Start	942	End	3233
GI	none	Score	.89
Exons	942..1015, 1075..1134, 1235..1388, 1477..1575, 1812..2006, 2327..2422, 3081..3233		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52836	Strand	+
Start	1	End	3500
Name	OJ990804_14.9B12.C30.o1.gp	Method	AAT/GAP
Start	1508	End	3212
GI	13608_1.R1084	Score	974
Exons	1508..1575, 1812..2006, 2129..2221, 2327..2422, 3081..3212		
GI Descrip.	'3080425/emb|CAA18744.1| 6.0e-85 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o2.tm	Method	TBLASTX:Maize
Start	1162	End	1421
GI	none	Score	349
Exons	1162..1245, 1164..1421, 1164..1397, 1166..1411		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o2.tc	Method	TBLASTX:Cress
Start	1167	End	1503
GI	none	Score	303
Exons	1167..1388, 1193..1396, 1477..1503		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o1.ts	Method	TBLASTX:Soybean
Start	1209	End	1569
GI	none	Score	280
Exons	1209..1388, 1220..1396, 1239..1397, 1476..1568, 1477..1569		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o2.ts	Method	TBLASTX:Soybean
Start	1853	End	3458
GI	none	Score	239
Exons	1853..2005, 1854..2006, 1858..2007, 1979..2020, 2113..2217, 2127..2222, 2129..2221, 2326..2424, 2327..2428, 2471..2545,		

3078..3224, 3079..3222, 3080..3223, 3324..3458, 3325..3456, 3329..3457

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o1.tc	Method	TBLASTX:Cress
Start	1859	End	3505
GI	none	Score	63
Exons	1859..2005, 1859..2005, 1860..2006, 2113..2217, 2129..2221, 2137..2223, 2327..2401, 2378..2428, 3078..3224, 3080..3223, 3324..3503, 3324..3485, 3329..3502, 3395..3505		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o1.tm	Method	TBLASTX:Maize
Start	1979	End	3588
GI	none	Score	68
Exons	1979..2008, 1979..2005, 2113..2223, 2127..2225, 2129..2221, 2323..2424, 2326..2424, 2327..2428, 3078..3224, 3079..3222, 3080..3223, 3324..3503, 3325..3516, 3332..3502, 3542..3586, 3544..3585, 3547..3588		

Seq. No.	25485	Seq. ID	OJ990804_14.9B12.C30
Gene No.	52837	Strand	+
Start	3507	End	3588
Name	OJ990804_14.9B12.C30.o3.gp	Method	AAT/GAP
Start	3507	End	3588
GI	4715993	Score	156
Exons	3507..3588		

Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52838	Strand	+
Start	1	End	9571
Name	OJ990824_13.9B12.C3.o1.np	Method	AAT/NAP
Start	1	End	6088
GI	542643	Score	64
Exons	1..28, 2298..2657, 4301..4451, 6014..6088		
GI Descrip.	hnRNP protein - African clawed frog gi|299029|bbs|128657 pre-mRNA binding K protein, hnRNP K [Xenopus laevis, Peptide, 396 aa]		

Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52838	Strand	+
Start	1	End	9571
Name	OJ990824_13.9B12.C3.o1.gs	Method	GENSCAN
Start	625	End	1450
GI	none	Score	.43
Exons	625..664, 1278..1450		

Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52838	Strand	+
Start	1	End	9571
Name	OJ990824_13.9B12.C3.o2.gs	Method	GENSCAN
Start	2284	End	9571
GI	none	Score	.78

Exons	2284..2602, 2713..2877, 2929..3050, 4032..4451, 4635..4919, 5214..5501, 6434..6606, 7557..7644, 8683..8734, 9193..9291, 9390..9571		
Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52839	Strand	+
Start	22611	End	23338
Name	OJ990824_13.9B12.C3.o2.np	Method	AAT/NAP
Start	22611	End	23338
GI	6498436	Score	367
Exons	22611..22952, 23217..23338		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52840	Strand	-
Start	10822	End	17456
Name	OJ990824_13.9B12.C3.o3.gs	Method	GENSCAN
Start	10822	End	17456
GI	none	Score	.72
Exons	10822..10929, 11636..11855, 14914..15014, 15214..15259, 15743..15830, 16476..16692, 16889..17010, 17447..17456		
Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52841	Strand	-
Start	21878	End	22057
Name	OJ990824_13.9B12.C3.o5.gs	Method	GENSCAN
Start	21878	End	22057
GI	none	Score	.63
Exons	21878..22057		
Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52842	Strand	-
Start	24967	End	25230
Name	OJ990824_13.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	23977	End	25230
GI	none	Score	70
Exons	23977..24024, 23978..24028, 24983..25189, 24985..25230, 24986..25189		
Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52842	Strand	-
Start	24967	End	25230
Name	OJ990824_13.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	23978	End	25230
GI	none	Score	66
Exons	23978..24028, 23980..24024, 24977..25183, 24982..25230, 24985..25194		
Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52842	Strand	-
Start	24967	End	25230
Name	OJ990824_13.9B12.C3.o3.gp	Method	AAT/GAP
Start	24503	End	25190
GI	13229_1.R1084	Score	1135
Exons	24503..24888, 24984..25190		
GI Descrip.	'4519671/dbj|BAA75684.1| 5.0e-33 (AB017693) transfactor [Nicotiana tabacum]'		

Seq. No.	25486	Seq. ID	OJ990824_13.9B12.C3
Gene No.	52842	Strand	-
Start	24967	End	25230
Name	OJ990824_13.9B12.C3.o6.gs	Method	GENSCAN
Start	24967	End	25188
GI	none	Score	.72
Exons	24967..25188		

Seq. No.	25487	Seq. ID	OJ990824_13.9B12.C4
Gene No.	52843	Strand	-
Start	253	End	1949
Name	OJ990824_13.9B12.C4.o1.gp	Method	AAT/GAP
Start	253	End	608
GI	13229_1.R1084	Score	207
Exons	253..327, 438..477, 562..608		
GI Descrip.	'4519671/dbj|BAA75684.1| 5.0e-33 (AB017693) transfactor [Nicotiana tabacum]'		

Seq. No.	25487	Seq. ID	OJ990824_13.9B12.C4
Gene No.	52843	Strand	-
Start	253	End	1949
Name	OJ990824_13.9B12.C4.o1.np	Method	AAT/NAP
Start	267	End	1949
GI	4519671	Score	184
Exons	267..327, 438..477, 562..637, 719..896, 1924..1949		
GI Descrip.	(AB017693) transfactor [Nicotiana tabacum]		

Seq. No.	25487	Seq. ID	OJ990824_13.9B12.C4
Gene No.	52843	Strand	-
Start	253	End	1949
Name	OJ990824_13.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	272	End	930
GI	none	Score	41
Exons	272..325, 436..483, 437..478, 558..605, 562..603, 562..627, 592..663, 603..668, 605..673, 695..745, 712..744, 746..793, 746..838, 785..850, 798..926, 802..930, 838..927		

Seq. No.	25487	Seq. ID	OJ990824_13.9B12.C4
Gene No.	52843	Strand	-
Start	253	End	1949
Name	OJ990824_13.9B12.C4.o1.gs	Method	GENSCAN
Start	781	End	925
GI	none	Score	.84
Exons	781..925		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52844	Strand	+
Start	1	End	3101
Name	OJ990824_13.9B12.C5.o1.np	Method	AAT/NAP
Start	1	End	1786
GI	4835752	Score	858
Exons	1..167, 256..409, 527..644, 850..937, 1589..1786		
GI Descrip.	(AC007202) Is a member of the PF|00069 Eukaryotic protein kinase family. ESTs gb|T46484, gb|AF066875 and gb|N96237 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52844	Strand	+
Start	1	End	3101
Name	OJ990824_13.9B12.C5.o1.gs	Method	GENSCAN
Start	256	End	3101
GI	none	Score	.62
Exons	256..403, 850..937, 1589..1730, 2957..3101		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52845	Strand	+
Start	3534	End	6539
Name	OJ990824_13.9B12.C5.o2.np	Method	AAT/NAP
Start	3534	End	5079
GI	3204125	Score	118
Exons	3534..3619, 3896..4032, 4207..4304, 5009..5079		
GI Descrip.	(AJ006766) putative Pi starvation-induced protein [Cicer arietinum]		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52845	Strand	+
Start	3534	End	6539
Name	OJ990824_13.9B12.C5.o2.gs	Method	GENSCAN
Start	3842	End	6539
GI	none	Score	.96
Exons	3842..4032, 4207..4304, 4556..4701, 5009..5028, 6443..6539		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52846	Strand	+
Start	9801	End	15104
Name	OJ990824_13.9B12.C5.o3.np	Method	AAT/NAP
Start	9801	End	15104
GI	4490738	Score	217
Exons	9801..9824, 13290..13457, 13768..13828, 14100..14166, 14766..14853, 14936..15104		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52846	Strand	+
Start	9801	End	15104
Name	OJ990824_13.9B12.C5.o2.gp	Method	AAT/GAP
Start	13253	End	13656
GI	none	Score	492
Exons	13253..13457, 13562..13656		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52847	Strand	-
Start	8601	End	8909
Name	OJ990824_13.9B12.C5.o3.gs	Method	GENSCAN
Start	8601	End	8909
GI	none	Score	.53
Exons	8601..8909		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	46	End	635

GI	none	Score	194
Exons	46..168, 46..150, 51..176, 254..406, 258..389, 280..405, 517..627, 527..607, 569..628, 591..635		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	46	End	1722
GI	none	Score	175
Exons	46..168, 46..168, 48..176, 254..406, 261..365, 283..405, 287..412, 514..591, 527..595, 581..646, 597..647, 823..939, 849..905, 1582..1722, 1587..1706		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o1.tw	Method	TBLASTX:Wheat
Start	46	End	322
GI	none	Score	167
Exons	46..168, 46..174, 48..197, 251..322, 260..322		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	46	End	1743
GI	none	Score	176
Exons	46..168, 46..165, 51..176, 254..406, 255..383, 280..405, 514..591, 527..595, 581..646, 597..647, 823..939, 849..905, 1582..1743, 1587..1733		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o2.tc	Method	TBLASTX:Cress
Start	823	End	1758
GI	none	Score	168
Exons	823..939, 849..905, 1582..1758, 1587..1733, 1597..1746		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o4.gs	Method	GENSCAN
Start	11680	End	13631
GI	none	Score	.78
Exons	11680..12297, 12432..12528, 13522..13631		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52848	Strand	-
Start	11680	End	13631
Name	OJ990824_13.9B12.C5.o2.tm	Method	TBLASTX:Maize
Start	13095	End	13332
GI	none	Score	137
Exons	13095..13208, 13096..13209, 13100..13216, 13100..13213, 13111..13230, 13217..13327, 13219..13323, 13220..13324, 13237..13332, 13275..13331		

Seq. No.	25488	Seq. ID	OJ990824_13.9B12.C5
Gene No.	52849	Strand	
Start	13555	End	15023
Name	OJ990824_13.9B12.C5.o3.tm	Method	TBLASTX:Maize
Start	13555	End	15023
GI	none	Score	74
Exons	13555..13674, 13560..13637, 13564..13653, 13565..13681, 13753..13830, 13754..13834, 14048..14167, 14099..14164, 14100..14168, 14101..14169, 14764..14853, 14765..14854, 14766..14858, 14767..14859, 14936..15016, 14936..15019, 14937..15023		

Seq. No.	25489	Seq. ID	OJ990824_13.9B12.C6
Gene No.	52850	Strand	+
Start	685	End	2942
Name	OJ990824_13.9B12.C6.o1.np	Method	AAT/NAP
Start	685	End	2942
GI	2388561	Score	43
Exons	685..725, 1058..1209, 2899..2942		
GI Descrip.	(AC000098) Similar to Arabidopsis hypothetical protein PID:e326839 (gb|Z97337). [Arabidopsis thaliana]		

Seq. No.	25489	Seq. ID	OJ990824_13.9B12.C6
Gene No.	52851	Strand	-
Start	2236	End	2402
Name	OJ990824_13.9B12.C6.o1.gs	Method	GENSCAN
Start	2236	End	2402
GI	none	Score	.49
Exons	2236..2402		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52852	Strand	+
Start	5306	End	5446
Name	OJ990824_13.9B12.C7.o2.gs	Method	GENSCAN
Start	5306	End	5446
GI	none	Score	.7
Exons	5306..5446		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52853	Strand	+
Start	9516	End	16546
Name	OJ990824_13.9B12.C7.o3.np	Method	AAT/NAP
Start	7550	End	12216
GI	5852181	Score	116
Exons	7550..7591, 10643..10942, 12174..12216		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52853	Strand	+
Start	9516	End	16546
Name	OJ990824_13.9B12.C7.o3.gs	Method	GENSCAN
Start	9516	End	16546
GI	none	Score	.67
Exons	9516..9518, 10785..10938, 11594..11762, 14353..14456, 14732..14898, 15793..15862, 15881..16021, 16353..16546		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52854	Strand	+
Start	18587	End	18955
Name	OJ990824_13.9B12.C7.o4.gs	Method	GENSCAN
Start	18587	End	18955
GI	none	Score	.87
Exons	18587..18955		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52855	Strand	-
Start	8378	End	8827
Name	OJ990824_13.9B12.C7.o1.gp	Method	AAT/GAP
Start	8378	End	8827
GI	LIB3432-059-P1-K1-D8	Score	725
Exons	8378..8827		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52856	Strand	-
Start	19421	End	21027
Name	OJ990824_13.9B12.C7.o2.tm	Method	TBLASTX:Maize
Start	1343	End	1590
GI	none	Score	184
Exons	1343..1588, 1348..1590		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52856	Strand	-
Start	19421	End	21027
Name	OJ990824_13.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	1756	End	2514
GI	none	Score	37
Exons	1756..1788, 1837..2160, 2230..2343, 2347..2514		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52856	Strand	-
Start	19421	End	21027
Name	OJ990824_13.9B12.C7.o5.gs	Method	GENSCAN
Start	19421	End	20917
GI	none	Score	.63
Exons	19421..19562, 19976..20445, 20578..20917		

Seq. No.	25490	Seq. ID	OJ990824_13.9B12.C7
Gene No.	52856	Strand	-
Start	19421	End	21027
Name	OJ990824_13.9B12.C7.o4.np	Method	AAT/NAP
Start	19460	End	21027
GI	6907087	Score	284
Exons	19460..19562, 20148..20445, 20595..21027		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25491	Seq. ID	OJ990824_13.9B12.C9
Gene No.	52857	Strand	-
Start	1	End	574
Name	OJ990824_13.9B12.C9.o1.gp	Method	AAT/GAP

Start	1	End	574
GI	none	Score	1060
Exons	1..574		

Seq. No.	25491	Seq. ID	OJ990824_13.9B12.C9
Gene No.	52857	Strand	-
Start	1	End	574
Name	OJ990824_13.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	20	End	520
GI	none	Score	122
Exons	20..127, 21..125, 110..349, 111..170, 133..333, 326..520, 338..511, 345..518		

Seq. No.	25492	Seq. ID	OJ990914_11.9B24.C1
Gene No.	52858	Strand	+
Start	1	End	366
Name	OJ990914_11.9B24.C1.o1.gp	Method	AAT/GAP
Start	1	End	366
GI	LIB3479-006-Q6-K1-B11	Score	508
Exons	1..366		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	25492	Seq. ID	OJ990914_11.9B24.C1
Gene No.	52858	Strand	+
Start	1	End	366
Name	OJ990914_11.9B24.C1.o1.np	Method	AAT/NAP
Start	1	End	144
GI	5922620	Score	200
Exons	1..144		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25492	Seq. ID	OJ990914_11.9B24.C1
Gene No.	52859	Strand	+
Start	289	End	442
Name	OJ990914_11.9B24.C1.o1.gs	Method	GENSCAN
Start	289	End	442
GI	none	Score	.42
Exons	289..442		

Seq. No.	25492	Seq. ID	OJ990914_11.9B24.C1
Gene No.	52860	Strand	-
Start	283	End	366
Name	OJ990914_11.9B24.C1.o2.np	Method	AAT/NAP
Start	283	End	366
GI	6630699	Score	71
Exons	283..366		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25493	Seq. ID	OJ990914_11.9B24.C2
Gene No.	52861	Strand	+

Start	54	End	288
Name	OJ990914_11.9B24.C2.o1.gs	Method	GENSCAN
Start	54	End	288
GI	none	Score	.74
Exons	54..288		

Seq. No.	25494	Seq. ID	OJ990914_11.9B24.C3
Gene No.	52862	Strand	+
Start	160	End	279
Name	OJ990914_11.9B24.C3.o1.gs	Method	GENSCAN
Start	160	End	279
GI	none	Score	.59
Exons	160..279		

Seq. No.	25494	Seq. ID	OJ990914_11.9B24.C3
Gene No.	52863	Strand	-
Start	613	End	2005
Name	OJ990914_11.9B24.C3.o2.gs	Method	GENSCAN
Start	613	End	2005
GI	none	Score	.73
Exons	613..737, 834..974, 1720..1792, 1805..2005		

Seq. No.	25495	Seq. ID	OJ990914_11.9B24.C5
Gene No.	52864	Strand	+
Start	138	End	341
Name	OJ990914_11.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	128	End	340
GI	none	Score	268
Exons	128..340, 128..214, 139..339		

Seq. No.	25495	Seq. ID	OJ990914_11.9B24.C5
Gene No.	52864	Strand	+
Start	138	End	341
Name	OJ990914_11.9B24.C5.o1.gp	Method	AAT/GAP
Start	138	End	341
GI	62315_1.R1084	Score	344
Exons	138..341		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25495	Seq. ID	OJ990914_11.9B24.C5
Gene No.	52864	Strand	+
Start	138	End	341
Name	OJ990914_11.9B24.C5.o1.gs	Method	GENSCAN
Start	142	End	322
GI	none	Score	.83
Exons	142..322		

Seq. No.	25495	Seq. ID	OJ990914_11.9B24.C5
Gene No.	52864	Strand	+
Start	138	End	341
Name	OJ990914_11.9B24.C5.o1.np	Method	AAT/NAP
Start	142	End	341
GI	4580394	Score	187
Exons	142..341		
GI Descrip.	(AC007171) putative fatty acid elongase [Arabidopsis thaliana]		

Seq. No.	25496	Seq. ID	OJ990914_11.9B24.C6
Gene No.	52865	Strand	+
Start	1	End	353
Name	OJ990914_11.9B24.C6.o1.np	Method	AAT/NAP
Start	1	End	231
GI	6742729	Score	349
Exons	1..231		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	25496	Seq. ID	OJ990914_11.9B24.C6
Gene No.	52865	Strand	+
Start	1	End	353
Name	OJ990914_11.9B24.C6.o1.tw	Method	TBLASTX:Wheat
Start	2	End	353
GI	none	Score	293
Exons	2..283, 5..301, 151..300, 312..353, 330..353		

Seq. No.	25496	Seq. ID	OJ990914_11.9B24.C6
Gene No.	52865	Strand	+
Start	1	End	353
Name	OJ990914_11.9B24.C6.o1.gs	Method	GENSCAN
Start	125	End	349
GI	none	Score	.52
Exons	125..349		

Seq. No.	25497	Seq. ID	OJ990914_11.9B24.C7
Gene No.	52866	Strand	+
Start	1517	End	1754
Name	OJ990914_11.9B24.C7.o1.np	Method	AAT/NAP
Start	1517	End	1754
GI	5042454	Score	149
Exons	1517..1754		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25497	Seq. ID	OJ990914_11.9B24.C7
Gene No.	52867	Strand	-
Start	40	End	622
Name	OJ990914_11.9B24.C7.o1.gs	Method	GENSCAN
Start	40	End	622
GI	none	Score	.44
Exons	40..150, 431..622		

Seq. No.	25498	Seq. ID	OJ990914_11.9B24.C8
Gene No.	52868	Strand	-
Start	1479	End	1551
Name	OJ990914_11.9B24.C8.o1.gp	Method	AAT/GAP
Start	1479	End	1551
GI	5867_1.R1084	Score	105
Exons	1479..1551		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25499	Seq. ID	OJ990914_11.9B24.C9
Gene No.	52869	Strand	+
Start	1	End	585
Name	OJ990914_11.9B24.C9.o1.np	Method	AAT/NAP
Start	1	End	573
GI	4539009	Score	44
Exons	1..30, 318..366, 434..573		
GI Descrip.	(AL049481) putative protein [Arabidopsis thaliana]		

Seq. No.	25499	Seq. ID	OJ990914_11.9B24.C9
Gene No.	52869	Strand	+
Start	1	End	585
Name	OJ990914_11.9B24.C9.o1.ts	Method	TBLASTX:Soybean
Start	124	End	585
GI	none	Score	68
Exons	124..159, 126..158, 287..367, 289..366, 290..400, 473..568, 474..572, 475..585		

Seq. No.	25500	Seq. ID	OJ990914_11.9B24.C12
Gene No.	52870	Strand	+
Start	1191	End	1499
Name	OJ990914_11.9B24.C12.o1.gs	Method	GENSCAN
Start	1191	End	1499
GI	none	Score	.97
Exons	1191..1499		

Seq. No.	25501	Seq. ID	OJ990914_11.9B24.C13
Gene No.	52871	Strand	+
Start	1	End	912
Name	OJ990914_11.9B24.C13.o1.np	Method	AAT/NAP
Start	1	End	912
GI	2213599	Score	92
Exons	1..218, 837..912		
GI Descrip.	(AC000348) T7N9.19 [Arabidopsis thaliana]		

Seq. No.	25501	Seq. ID	OJ990914_11.9B24.C13
Gene No.	52871	Strand	+
Start	1	End	912
Name	OJ990914_11.9B24.C13.o2.np	Method	AAT/NAP
Start	1	End	912
GI	3901294	Score	84
Exons	1..24, 738..912		
GI Descrip.	(AF089711) rpp8 [Arabidopsis thaliana]		

Seq. No.	25501	Seq. ID	OJ990914_11.9B24.C13
Gene No.	52871	Strand	+
Start	1	End	912
Name	OJ990914_11.9B24.C13.o1.gs	Method	GENSCAN
Start	157	End	731
GI	none	Score	.45
Exons	157..731		

Seq. No.	25502	Seq. ID	OJ990914_11.9B24.C15
Gene No.	52872	Strand	+
Start	69	End	966
Name	OJ990914_11.9B24.C15.o1.gs	Method	GENSCAN
Start	69	End	966

GI	none	Score	.97
Exons	69..966		

Seq. No.	25503	Seq. ID	OJ990914_11.9B24.C16
Gene No.	52873	Strand	-
Start	85	End	910
Name	OJ990914_11.9B24.C16.o1.gs	Method	GENSCAN
Start	85	End	910
GI	none	Score	.87
Exons	85..102, 516..612, 759..910		

Seq. No.	25504	Seq. ID	OJ990914_11.9B24.C18
Gene No.	52874	Strand	+
Start	654	End	1977
Name	OJ990914_11.9B24.C18.o1.gs	Method	GENSCAN
Start	654	End	1977
GI	none	Score	.41
Exons	654..899, 1801..1977		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52875	Strand	+
Start	1	End	1364
Name	OJ990914_11.9B24.C19.o1.np	Method	AAT/NAP
Start	1	End	1310
GI	4204315	Score	1198
Exons	1..1310		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52875	Strand	+
Start	1	End	1364
Name	OJ990914_11.9B24.C19.o1.gs	Method	GENSCAN
Start	127	End	1364
GI	none	Score	.76
Exons	127..687, 711..1364		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52876	Strand	-
Start	2276	End	2393
Name	OJ990914_11.9B24.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1313
GI	none	Score	137
Exons	2..106, 4..105, 94..396, 123..395, 469..561, 471..563, 555..626, 556..627, 624..674, 625..687, 701..865, 702..872, 954..1058, 1071..1313, 1073..1291		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52876	Strand	-
Start	2276	End	2393
Name	OJ990914_11.9B24.C19.o2.tc	Method	TBLASTX:Cress
Start	2	End	357
GI	none	Score	105
Exons	2..112, 4..90, 115..357, 123..356		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52876	Strand	-
Start	2276	End	2393

Name	OJ990914_11.9B24.C19.o1.tm	Method	TBLASTX:Maize
Start	695	End	1127
GI	none	Score	261
Exons	695..1123, 699..881, 954..1127		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52876	Strand	-
Start	2276	End	2393
Name	OJ990914_11.9B24.C19.o1.tc	Method	TBLASTX:Cress
Start	702	End	1244
GI	none	Score	147
Exons	702..872, 954..1055, 1080..1244, 1190..1243		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52876	Strand	-
Start	2276	End	2393
Name	OJ990914_11.9B24.C19.o2.tm	Method	TBLASTX:Maize
Start	1131	End	1295
GI	none	Score	217
Exons	1131..1295, 1187..1285, 1194..1286		

Seq. No.	25505	Seq. ID	OJ990914_11.9B24.C19
Gene No.	52876	Strand	-
Start	2276	End	2393
Name	OJ990914_11.9B24.C19.o2.gs	Method	GENSCAN
Start	2276	End	2393
GI	none	Score	.62
Exons	2276..2393		

Seq. No.	25506	Seq. ID	OJ990914_11.9B24.C20
Gene No.	52877	Strand	+
Start	689	End	826
Name	OJ990914_11.9B24.C20.o1.gs	Method	GENSCAN
Start	689	End	826
GI	none	Score	.56
Exons	689..826		

Seq. No.	25506	Seq. ID	OJ990914_11.9B24.C20
Gene No.	52878	Strand	-
Start	1541	End	1969
Name	OJ990914_11.9B24.C20.o2.gs	Method	GENSCAN
Start	1541	End	1969
GI	none	Score	.63
Exons	1541..1624, 1871..1969		

Seq. No.	25507	Seq. ID	OJ990914_11.9B24.C21
Gene No.	52879	Strand	-
Start	293	End	643
Name	OJ990914_11.9B24.C21.o1.np	Method	AAT/NAP
Start	262	End	643
GI	4580394	Score	407
Exons	262..643		
GI Descrip.	(AC007171) putative fatty acid elongase [Arabidopsis thaliana]		

Seq. No.	25507	Seq. ID	OJ990914_11.9B24.C21
Gene No.	52879	Strand	-
Start	293	End	643

Name	OJ990914_11.9B24.C21.o1.tm	Method	TBLASTX:Maize
Start	290	End	643
GI	none	Score	404
Exons	290..643, 291..641, 518..643		

Seq. No.	25507	Seq. ID	OJ990914_11.9B24.C21
Gene No.	52879	Strand	-
Start	293	End	643
Name	OJ990914_11.9B24.C21.o1.gs	Method	GENSCAN
Start	293	End	565
GI	none	Score	.93
Exons	293..565		

Seq. No.	25507	Seq. ID	OJ990914_11.9B24.C21
Gene No.	52879	Strand	-
Start	293	End	643
Name	OJ990914_11.9B24.C21.o1.tc	Method	TBLASTX:Cress
Start	308	End	607
GI	none	Score	129
Exons	308..349, 359..607, 369..593, 518..595		

Seq. No.	25507	Seq. ID	OJ990914_11.9B24.C21
Gene No.	52879	Strand	-
Start	293	End	643
Name	OJ990914_11.9B24.C21.o1.ts	Method	TBLASTX:Soybean
Start	359	End	643
GI	none	Score	79
Exons	359..391, 401..643, 423..578		

Seq. No.	25507	Seq. ID	OJ990914_11.9B24.C21
Gene No.	52879	Strand	-
Start	293	End	643
Name	OJ990914_11.9B24.C21.o1.tw	Method	TBLASTX:Wheat
Start	392	End	560
GI	none	Score	89
Exons	392..559, 393..560		

Seq. No.	25508	Seq. ID	OJ990914_11.9B24.C22
Gene No.	52880	Strand	-
Start	87	End	152
Name	OJ990914_11.9B24.C22.o1.gs	Method	GENSCAN
Start	87	End	152
GI	none	Score	.46
Exons	87..152		

Seq. No.	25509	Seq. ID	OJ990914_11.9B24.C23
Gene No.	52881	Strand	-
Start	1	End	137
Name	OJ990914_11.9B24.C23.o1.np	Method	AAT/NAP
Start	1	End	137
GI	6539570	Score	109
Exons	1..137		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	25510	Seq. ID	OJ990914_11.9B24.C25
Gene No.	52882	Strand	-
Start	1	End	273

Name	OJ990914_11.9B24.C25.o1.gp	Method	AAT/GAP
Start	1	End	273
GI	2310235	Score	236
Exons	1..21, 86..273		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25510	Seq. ID	OJ990914_11.9B24.C25
Gene No.	52882	Strand	-
Start	1	End	273
Name	OJ990914_11.9B24.C25.o1.np	Method	AAT/NAP
Start	1	End	225
GI	5852182	Score	317
Exons	1..225		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25511	Seq. ID	OJ990914_11.9B24.C26
Gene No.	52883	Strand	-
Start	28	End	86
Name	OJ990914_11.9B24.C26.o1.gs	Method	GENSCAN
Start	28	End	86
GI	none	Score	.44
Exons	28..86		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52884	Strand	+
Start	2719	End	4104
Name	OJ990914_11.9B24.C27.o2.gs	Method	GENSCAN
Start	2719	End	4104
GI	none	Score	.95
Exons	2719..2777, 3483..3653, 4023..4104		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52885	Strand	+
Start	10950	End	11420
Name	OJ990914_11.9B24.C27.o1.gp	Method	AAT/GAP
Start	10950	End	11420
GI	LIB3432-020-P1-K1-H1	Score	889
Exons	10950..11420		
GI Descrip.	'2735017 1.0e-40 (U82481) KI domain interacting kinase 1 [Zea mays]'		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52886	Strand	-
Start	345	End	2426
Name	OJ990914_11.9B24.C27.o1.gs	Method	GENSCAN
Start	345	End	2426
GI	none	Score	.86
Exons	345..405, 490..671, 749..850, 1172..2426		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52887	Strand	-
Start	4335	End	13482
Name	OJ990914_11.9B24.C27.o3.gs	Method	GENSCAN
Start	4335	End	13452
GI	none	Score	.83
Exons	4335..4517, 4730..4883, 4979..5216, 5431..5641, 5745..5926,		

6193..6974, 7027..7380, 7845..8041, 8129..8212, 8279..8482,
9189..9284, 9381..9450, 10424..10509, 10619..10769,
10903..10993, 11245..11488, 11559..11737, 12204..13452

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52887	Strand	-
Start	4335	End	13482
Name	OJ990914_11.9B24.C27.o1.np	Method	AAT/NAP
Start	4338	End	13482
GI	6686398	Score	2241
Exons	4338..4634, 4730..4883, 4979..5216, 5431..5641, 5745..5851, 5993..7351, 8853..8963, 10297..10509, 10619..10769, 10903..11140, 11245..11455, 11559..11737, 11903..12044, 12192..13482		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o1.tc	Method	TBLASTX:Cress
Start	220	End	15529
GI	none	Score	93
Exons	220..408, 278..406, 490..630, 491..571, 4377..4634, 4441..4563, 4760..4879, 4776..4880, 4791..4883, 4978..5157, 4979..5152, 4981..5280, 5432..5644, 5433..5585, 10297..10524, 10661..10765, 10662..10766, 10903..11103, 10908..11075, 10926..11120, 10951..11121, 11245..11400, 11246..11401, 11246..11458, 11316..11456, 11547..11639, 14271..14495, 14590..14715, 14601..14714, 14626..14715, 14826..15041, 14843..15070, 15141..15287, 15149..15280, 15156..15374, 15226..15309, 15446..15529		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o1.tw	Method	TBLASTX:Wheat
Start	220	End	15368
GI	none	Score	113
Exons	220..408, 275..406, 5104..5235, 5424..5585, 5426..5644, 11026..11157, 11028..11123, 11246..11458, 11250..11456, 14946..15110, 14948..15070, 15156..15368, 15208..15312		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o1.tm	Method	TBLASTX:Maize
Start	220	End	15550
GI	none	Score	111
Exons	220..408, 284..406, 489..542, 490..597, 4452..4634, 4453..4635, 4776..4883, 4787..4882, 4979..5194, 4981..5202, 4982..5200, 5020..5202, 5408..5644, 5436..5585, 5743..5778, 5746..5808, 10306..10359, 10343..10435, 10345..10539, 10466..10510, 10607..10768, 10629..10769, 10662..10769, 10881..11123, 10926..11123, 10954..11124, 11217..11456, 11246..11458, 11246..11458, 11559..11669, 14253..14312, 14280..14309, 14308..14388, 14322..14495, 14431..14496, 14611..14718, 14622..14717, 14636..14719, 14823..15041, 14843..15070,		

15156..15374, 15211..15309, 15446..15550

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o1.ts	Method	TBLASTX:Soybean
Start	226	End	15526
GI	none	Score	55

Exons 226..408, 281..406, 490..567, 491..559, 4772..4885, 4788..4886, 4996..5205, 5027..5209, 5432..5644, 5433..5582, 5471..5644, 5734..5784, 10658..10771, 10674..10772, 10926..11132, 10938..11117, 10951..11133, 11246..11458, 11247..11456, 11559..11630, 14379..14483, 14574..14720, 14623..14754, 14840..15052, 14859..15050, 15156..15374, 15446..15526

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o4.tm	Method	TBLASTX:Maize
Start	1213	End	16220
GI	none	Score	62

Exons 1213..1260, 1217..1285, 1218..1271, 1267..1386, 1268..1384, 1272..1418, 1273..1419, 6239..6313, 6254..6298, 6289..6444, 6300..6443, 6302..6457, 6316..6459, 12253..12306, 12263..12304, 12295..12456, 12308..12481, 12309..12440, 12368..12451, 15989..16048, 15990..16040, 15990..16052, 16037..16102, 16079..16219, 16080..16220

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o2.tm	Method	TBLASTX:Maize
Start	1800	End	17026
GI	none	Score	40

Exons 1800..1865, 1804..1863, 1848..2096, 1870..2037, 1890..2075, 1998..2063, 2046..2222, 2098..2178, 2143..2226, 2165..2203, 2167..2220, 2168..2233, 6854..6964, 6993..7019, 6994..7044, 7017..7058, 7107..7229, 7107..7235, 7111..7236, 12820..12897, 12914..13111, 12920..13084, 12921..13100, 12925..13110, 12937..13134, 13109..13216, 13110..13166, 13111..13212, 13133..13219, 13181..13279, 13201..13290, 13205..13282, 16598..16648, 16601..16645, 16655..16870, 16668..16871, 16844..16966, 16866..16946, 16943..17026, 16968..17021

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o2.tc	Method	TBLASTX:Cress
Start	1809	End	17029
GI	none	Score	44

Exons 1809..1910, 1810..1893, 1956..2066, 1956..2045, 2067..2213, 2131..2214, 2205..2354, 6518..6544, 6569..6709, 6785..6853, 6875..6937, 6987..7058, 7119..7235, 12523..12549, 12574..12612, 12625..12714, 12844..12963, 13003..13362, 13004..13138, 16265..16291, 16295..16354, 16370..16459, 16604..16714, 16760..16843, 16916..17029

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o3.ts	Method	TBLASTX:Soybean
Start	1869	End	17029
GI	none	Score	75
Exons	1869..2003, 1873..2001, 2076..2156, 2115..2216, 2256..2366, 7119..7235, 7168..7236, 12920..13048, 12925..13050, 13069..13134, 13120..13299, 16664..16798, 16671..16814, 16808..17029		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o2.ts	Method	TBLASTX:Soybean
Start	4404	End	14378
GI	none	Score	121
Exons	4404..4634, 4423..4638, 10295..10411, 10297..10527, 14263..14376, 14268..14378		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o2.tw	Method	TBLASTX:Wheat
Start	4760	End	14945
GI	none	Score	99
Exons	4760..4882, 4776..4883, 4981..5103, 4982..5104, 10658..10768, 10662..10769, 10904..11023, 10905..11024, 10906..11025, 10926..11024, 14442..14483, 14574..14717, 14611..14718, 14825..14944, 14826..14945, 14843..14944		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o3.tm	Method	TBLASTX:Maize
Start	7998	End	8407
GI	none	Score	94
Exons	7998..8051, 8000..8050, 8128..8160, 8129..8326, 8130..8300, 8291..8359, 8363..8407		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o4.ts	Method	TBLASTX:Soybean
Start	8018	End	8278
GI	none	Score	114
Exons	8018..8050, 8096..8278, 8139..8276		

Seq. No.	25512	Seq. ID	OJ990914_11.9B24.C27
Gene No.	52888	Strand	-
Start	14181	End	17029
Name	OJ990914_11.9B24.C27.o4.gs	Method	GENSCAN
Start	14181	End	16891
GI	none	Score	.82
Exons	14181..14483, 14568..14718, 14823..15060, 15460..15639, 15703..15819, 15949..16891		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52889	Strand	+
Start	644	End	2229
Name	OJ990914_11.9B24.C28.o1.gs	Method	GENSCAN
Start	644	End	2229
GI	none	Score	.86
Exons	644..704, 1076..1103, 1635..1758, 2002..2229		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52890	Strand	+
Start	7527	End	7798
Name	OJ990914_11.9B24.C28.o3.gs	Method	GENSCAN
Start	7527	End	7798
GI	none	Score	.67
Exons	7527..7678, 7684..7798		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52891	Strand	+
Start	8058	End	15316
Name	OJ990914_11.9B24.C28.o4.gs	Method	GENSCAN
Start	8058	End	15316
GI	none	Score	.58
Exons	8058..8315, 8948..9528, 9548..9977, 10138..10242, 11875..11997, 12344..12438, 12544..12646, 13706..13938, 13971..14118, 14319..14588, 14952..15121, 15175..15316		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52891	Strand	+
Start	8058	End	15316
Name	OJ990914_11.9B24.C28.o1.gp	Method	AAT/GAP
Start	11692	End	12119
GI	4878407	Score	653
Exons	11692..12119		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52891	Strand	+
Start	8058	End	15316
Name	OJ990914_11.9B24.C28.o5.np	Method	AAT/NAP
Start	13235	End	15179
GI	5922620	Score	425
Exons	13235..13369, 13550..13663, 13993..14282, 14319..14461, 15100..15179		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52892	Strand	-
Start	138	End	5262
Name	OJ990914_11.9B24.C28.o1.np	Method	AAT/NAP
Start	138	End	5232
GI	4008008	Score	1475
Exons	138..437, 2306..2453, 2528..2765, 2869..3079, 3474..3596,		

3672..3829, 3925..5232
GI Descrip. (AF084035) receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52892	Strand	-
Start	138	End	5262
Name	OJ990914_11.9B24.C28.o2.gs	Method	GENSCAN
Start	3318	End	5262
GI	none	Score	.43
Exons	3318..3347, 3474..3667, 3954..5262		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52893	Strand	-
Start	7328	End	8292
Name	OJ990914_11.9B24.C28.o2.np	Method	AAT/NAP
Start	7328	End	8292
GI	6539570	Score	155
Exons	7328..7389, 7592..7764, 8252..8292		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o2.tm	Method	TBLASTX:Maize
Start	121	End	2432
GI	none	Score	63
Exons	121..180, 123..446, 214..441, 533..634, 534..632, 539..634, 632..661, 634..660, 661..702, 662..709, 662..694, 1977..2225, 1986..2228, 2005..2229, 2306..2335, 2331..2426, 2333..2431, 2340..2432		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o1.ts	Method	TBLASTX:Soybean
Start	222	End	3555
GI	none	Score	81
Exons	222..446, 226..372, 578..634, 774..956, 780..1025, 781..1017, 1123..1278, 1135..1308, 1139..1294, 2013..2234, 2014..2151, 2346..2453, 2349..2450, 2360..2452, 2519..2617, 2524..2742, 2530..2772, 2576..2758, 2858..3022, 2858..3088, 2877..3053, 3474..3545, 3475..3555		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o1.tc	Method	TBLASTX:Cress
Start	225	End	3554
GI	none	Score	67
Exons	225..428, 226..366, 572..634, 780..1025, 781..996, 1123..1275, 1135..1308, 1136..1294, 2005..2154, 2013..2225, 2345..2449, 2346..2450, 2386..2454, 2524..2742, 2530..2772, 2531..2773, 2870..3088, 2882..3025, 2940..3056, 3474..3554, 3475..3546		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528

Name	OJ990914_11.9B24.C28.o1.tw	Method	TBLASTX:Wheat
Start	396	End	2703
GI	none	Score	39
Exons	396..437, 536..634, 632..661, 634..660, 780..947, 780..953, 781..951, 2184..2225, 2345..2449, 2345..2452, 2346..2453, 2530..2697, 2530..2703, 2531..2701		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o1.tm	Method	TBLASTX:Maize
Start	778	End	3088
GI	none	Score	165
Exons	778..996, 778..903, 780..1025, 1135..1308, 1136..1297, 2432..2452, 2528..2743, 2530..2772, 2870..3088, 2871..3029		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o2.tw	Method	TBLASTX:Wheat
Start	954	End	3082
GI	none	Score	91
Exons	954..1025, 1113..1208, 1123..1275, 1126..1302, 1127..1288, 2704..2772, 2840..3082, 2877..3053		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o3.tm	Method	TBLASTX:Maize
Start	3474	End	3677
GI	none	Score	105
Exons	3474..3677, 3481..3645		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o2.ts	Method	TBLASTX:Soybean
Start	4006	End	4299
GI	none	Score	89
Exons	4006..4053, 4042..4194, 4043..4192, 4210..4299, 4217..4291		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o3.np	Method	AAT/NAP
Start	8826	End	11852
GI	4680184	Score	1282
Exons	8826..8962, 8991..10251, 11804..11852		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25513	Seq. ID	OJ990914_11.9B24.C28
Gene No.	52894	Strand	-
Start	8826	End	14528
Name	OJ990914_11.9B24.C28.o4.np	Method	AAT/NAP
Start	10638	End	14528
GI	4680186	Score	377
Exons	10638..10779, 11381..11663, 12265..12421, 14483..14528		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52895	Strand	+
Start	486	End	6808
Name	OJ990914_11.9B24.C29.o1.gs	Method	GENSCAN
Start	486	End	6530
GI	none	Score	.63
Exons	486..492, 815..1759, 1840..2697, 2914..3111, 3487..3637, 3743..4079, 4164..4574, 4668..4966, 5043..5301, 5394..5576, 5642..5679, 5770..5901, 5965..6012, 6017..6219, 6370..6530		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52895	Strand	+
Start	486	End	6808
Name	OJ990914_11.9B24.C29.o1.np	Method	AAT/NAP
Start	937	End	6251
GI	5441880	Score	4702
Exons	937..1941, 2386..2417, 2676..2991, 3487..3637, 3743..4079, 4668..4966, 5043..5301, 5546..5619, 5656..5679, 5770..5901, 6017..6251		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52895	Strand	+
Start	486	End	6808
Name	OJ990914_11.9B24.C29.o1.gp	Method	AAT/GAP
Start	1541	End	1971
GI	5701669	Score	832
Exons	1541..1971		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52895	Strand	+
Start	486	End	6808
Name	OJ990914_11.9B24.C29.o2.gp	Method	AAT/GAP
Start	4794	End	5293
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	4794..4966, 5043..5293		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52895	Strand	+
Start	486	End	6808
Name	OJ990914_11.9B24.C29.o3.gp	Method	AAT/GAP
Start	6355	End	6808
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	6355..6808		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52896	Strand	-
Start	7042	End	7170
Name	OJ990914_11.9B24.C29.o2.np	Method	AAT/NAP
Start	7042	End	7170
GI	6721543	Score	93
Exons	7042..7170		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o5.tm	Method	TBLASTX:Maize
Start	1498	End	2093
GI	none	Score	93
Exons	1498..1626, 1506..1604, 1660..1824, 1677..1790, 1796..1897, 1797..1958, 2022..2093		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o1.tw	Method	TBLASTX:Wheat
Start	1791	End	2171
GI	none	Score	208
Exons	1791..1985, 1800..1997, 1991..2110, 1995..2171, 1995..2141		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o1.tm	Method	TBLASTX:Maize
Start	8664	End	9234
GI	none	Score	207
Exons	8664..8918, 8669..8977, 8679..8990, 8696..8992, 8755..8991, 9063..9092, 9087..9218, 9087..9209, 9088..9225, 9097..9234		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o3.np	Method	AAT/NAP
Start	8678	End	12451
GI	4008008	Score	1530
Exons	8678..8977, 9063..9210, 9296..9533, 9781..9991, 10431..10560, 10671..10804, 11150..12451		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o1.tc	Method	TBLASTX:Cress
Start	8730	End	10511
GI	none	Score	69
Exons	8730..8906, 8765..8968, 9084..9206, 9085..9207, 9103..9207, 9298..9543, 9299..9535, 9782..9991, 9783..9941, 10431..10511, 10432..10503		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-

Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o1.ts	Method	TBLASTX:Soybean
Start	8756	End	9991
GI	none	Score	151
Exons	8756..8977, 8766..8981, 8786..8989, 9103..9210, 9108..9209, 9298..9540, 9299..9541, 9358..9558, 9779..9805, 9799..9933, 9809..9991, 9810..9932		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o2.tw	Method	TBLASTX:Wheat
Start	8936	End	9471
GI	none	Score	110
Exons	8936..8977, 9102..9209, 9103..9210, 9298..9465, 9298..9471, 9299..9469		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o2.tm	Method	TBLASTX:Maize
Start	9296	End	9507
GI	none	Score	198
Exons	9296..9505, 9297..9506, 9298..9507		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o3.tw	Method	TBLASTX:Wheat
Start	9472	End	9991
GI	none	Score	142
Exons	9472..9543, 9782..9991, 9789..9935		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o3.tm	Method	TBLASTX:Maize
Start	9782	End	9991
GI	none	Score	152
Exons	9782..9991, 9783..9941		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o4.tm	Method	TBLASTX:Maize
Start	11306	End	11653
GI	none	Score	172
Exons	11306..11347, 11390..11653		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o2.tc	Method	TBLASTX:Cress
Start	11390	End	11852
GI	none	Score	82
Exons	11390..11428, 11438..11542, 11439..11543, 11538..11639, 11540..11710, 11748..11852, 11783..11851		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o4.gp	Method	AAT/GAP
Start	11811	End	12272
GI	3761421	Score	812
Exons	11811..12272		
GI Descrip.	1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]		

Seq. No.	25514	Seq. ID	OJ990914_11.9B24.C29
Gene No.	52897	Strand	-
Start	8678	End	12451
Name	OJ990914_11.9B24.C29.o2.ts	Method	TBLASTX:Soybean
Start	11999	End	12445
GI	none	Score	177
Exons	11999..12181, 12206..12445		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52898	Strand	+
Start	3521	End	3881
Name	OJ990914_11.9B24.C30.o1.gp	Method	AAT/GAP
Start	3521	End	3881
GI	LIB3431-014-P1-K1-B5	Score	576
Exons	3521..3881		
GI Descrip.	'1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]'		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52899	Strand	+
Start	5634	End	6081
Name	OJ990914_11.9B24.C30.o2.gs	Method	GENSCAN
Start	5634	End	6081
GI	none	Score	.97
Exons	5634..5930, 5935..6081		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52900	Strand	+
Start	8984	End	15106
Name	OJ990914_11.9B24.C30.o2.np	Method	AAT/NAP
Start	8984	End	13186
GI	2181190	Score	1234
Exons	8984..9014, 10020..11159, 11187..11282, 11544..11704, 11746..11927, 12022..12232, 12315..12552, 12637..12733, 12836..13186		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52900	Strand	+
Start	8984	End	15106
Name	OJ990914_11.9B24.C30.o5.gs	Method	GENSCAN
Start	9820	End	15106
GI	none	Score	.75
Exons	9820..9896, 10063..11282, 11746..11927, 12022..12232, 12315..12552, 12637..12790, 12887..13159, 13925..13999, 14179..14221, 14374..14531, 14933..15106		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52900	Strand	+
Start	8984	End	15106
Name	OJ990914_11.9B24.C30.o3.np	Method	AAT/NAP
Start	10204	End	14868
GI	6069646	Score	80
Exons	10204..10233, 11240..11308, 14642..14868		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52901	Strand	-
Start	333	End	3437
Name	OJ990914_11.9B24.C30.o1.np	Method	AAT/NAP
Start	333	End	3437
GI	2129703	Score	1256
Exons	333..679, 841..944, 1034..1271, 1354..1564, 1643..1782, 1829..2031, 2165..3437		
GI Descrip.	receptor kinase - Arabidopsis thaliana gi|2129704|pir||S71184 receptor kinase - Arabidopsis thaliana gi|166692 (M80238) receptor kinase [Arabidopsis thaliana] gi|445123|prf||1908429A receptor kinase [Arabidopsis thaliana]		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52902	Strand	-
Start	6373	End	6759
Name	OJ990914_11.9B24.C30.o3.gs	Method	GENSCAN
Start	6373	End	6759
GI	none	Score	.96
Exons	6373..6759		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o1.tm	Method	TBLASTX:Maize
Start	411	End	17307
GI	none	Score	65
Exons	411..527, 450..644, 451..648, 837..944, 848..943, 1034..1228, 1034..1252, 1054..1254, 1355..1573, 1359..1565, 1643..1741, 11823..11927, 11825..11932, 12013..12231, 12021..12143, 12329..12523, 12358..12552, 12523..12744, 12605..12733, 12716..13063, 12871..13062, 15992..16063, 16052..16255, 16359..16499, 16364..16465, 16566..16784, 16568..16789, 16918..17130, 16922..17128, 17206..17307		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o1.tc	Method	TBLASTX:Cress
Start	420	End	17289
GI	none	Score	103
Exons	420..644, 810..941, 818..943, 818..940, 819..944, 1030..1248, 1034..1234, 1037..1273, 1038..1244, 1048..1278, 1354..1449,		

1355..1573, 1356..1565, 1643..1726, 11847..11927, 11861..11932,
12013..12252, 12021..12146, 12091..12246, 12296..12523,
12352..12552, 12389..12544, 12640..12717, 12640..12744,
12641..12760, 12855..13001, 12875..13099, 12958..13050,
16022..16246, 16358..16462, 16359..16463, 16374..16463,
16568..16804, 16569..16784, 16918..17130, 16919..17128,
17206..17289

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o1.ts	Method	TBLASTX:Soybean
Start	420	End	17307
GI	none	Score	77

Exons 420..644, 490..567, 828..944, 840..941, 842..943, 1030..1248,
1034..1123, 1048..1278, 1082..1273, 1340..1576, 1343..1513,
1347..1565, 1643..1714, 11846..11920, 11856..11927,
12013..12246, 12021..12146, 12305..12523, 12340..12552,
12637..12732, 12637..12756, 12638..12739, 12803..13105,
12884..13087, 12952..13098, 16019..16246, 16023..16247,
16315..16398, 16364..16465, 16371..16466, 16371..16466,
16562..16744, 16566..16652, 16568..16804, 16569..16805,
16906..17076, 16918..17130, 16922..17128, 17205..17243,
17206..17307

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o2.tw	Method	TBLASTX:Wheat
Start	836	End	16688
GI	none	Score	118

Exons 836..943, 837..944, 1037..1156, 1048..1155, 12428..12529,
12463..12549, 12637..12744, 12638..12760, 16193..16234,
16289..16462, 16349..16465, 16359..16466, 16567..16686,
16568..16687, 16568..16687, 16569..16688

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o1.tw	Method	TBLASTX:Wheat
Start	1157	End	17130
GI	none	Score	60

Exons 1157..1264, 1159..1278, 1355..1567, 1359..1565, 12019..12231,
12021..12143, 12296..12427, 16689..16781, 16691..16804,
16913..17128, 16918..17130

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o3.tm	Method	TBLASTX:Maize
Start	2193	End	18231
GI	none	Score	140

Exons 2193..2420, 2195..2395, 2208..2414, 11027..11176, 11047..11127,
11049..11132, 11147..11230, 11185..11232, 18009..18077,
18019..18099, 18020..18076, 18028..18078, 18074..18220,
18074..18199, 18088..18231, 18154..18225

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o2.tm	Method	TBLASTX:Maize
Start	2748	End	10705
GI	none	Score	56
Exons	2748..2861, 2769..2843, 2844..3068, 2866..3033, 3051..3170, 3073..3174, 3138..3248, 3162..3233, 10178..10249, 10193..10267, 10301..10336, 10339..10590, 10385..10594, 10577..10705, 10579..10692		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o2.tc	Method	TBLASTX:Cress
Start	2802	End	10636
GI	none	Score	36
Exons	2802..2912, 2946..3041, 2968..2994, 3063..3332, 3088..3300, 10019..10339, 10397..10486, 10532..10636		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o2.ts	Method	TBLASTX:Soybean
Start	2865	End	10576
GI	none	Score	66
Exons	2865..2999, 3108..3260, 3172..3255, 3255..3356, 10070..10171, 10166..10249, 10388..10444, 10429..10491, 10439..10492, 10522..10569, 10523..10576		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o4.tm	Method	TBLASTX:Maize
Start	5794	End	6084
GI	none	Score	44
Exons	5794..5835, 5913..6080, 5914..6084		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o5.tm	Method	TBLASTX:Maize
Start	6327	End	6529
GI	none	Score	72
Exons	6327..6398, 6328..6399, 6329..6403, 6400..6528, 6419..6529		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o6.gs	Method	GENSCAN
Start	15932	End	18327
GI	none	Score	.72
Exons	15932..16234, 16316..16466, 16566..16803, 17220..17387, 17967..18327		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-

Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o4.np	Method	AAT/NAP
Start	15935	End	18345
GI	3402758	Score	905
Exons	15935..16234, 16323..16466, 16566..16803, 16917..17127, 17206..17377, 17421..17578, 17967..18068, 18096..18345		
GI Descrip.	(AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25515	Seq. ID	OJ990914_11.9B24.C30
Gene No.	52903	Strand	-
Start	15932	End	18345
Name	OJ990914_11.9B24.C30.o5.np	Method	AAT/NAP
Start	17932	End	18345
GI	1272345	Score	165
Exons	17932..18345		
GI Descrip.	(U51738) secreted glycoprotein 1 [Ipomoea trifida]		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52904	Strand	+
Start	807	End	1273
Name	OJ990914_11.9B24.C31.o1.gp	Method	AAT/GAP
Start	807	End	1273
GI	none	Score	926
Exons	807..1273		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52905	Strand	+
Start	12249	End	15268
Name	OJ990914_11.9B24.C31.o2.gs	Method	GENSCAN
Start	12249	End	15268
GI	none	Score	.53
Exons	12249..12348, 12445..12839, 12906..12969, 13049..13173, 13241..13426, 13497..13555, 13623..14384, 14507..14652, 14751..15268		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52906	Strand	+
Start	24886	End	25063
Name	OJ990914_11.9B24.C31.o4.gp	Method	AAT/GAP
Start	24886	End	25063
GI	15870_2.R1084	Score	286
Exons	24886..25063		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52907	Strand	+
Start	40103	End	41581
Name	OJ990914_11.9B24.C31.o5.gp	Method	AAT/GAP
Start	40040	End	41571
GI	35475_1.R1084	Score	1119
Exons	40040..40324, 40440..40562, 40644..40772, 41192..41277, 41486..41571		
GI Descrip.	'4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52907	Strand	+
Start	40103	End	41581
Name	OJ990914_11.9B24.C31.o7.gs	Method	GENSCAN
Start	40103	End	40914
GI	none	Score	.77
Exons	40103..40324, 40440..40562, 40644..40772, 40843..40914		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52907	Strand	+
Start	40103	End	41581
Name	OJ990914_11.9B24.C31.o3.np	Method	AAT/NAP
Start	40127	End	41581
GI	4454484	Score	488
Exons	40127..40324, 40440..40562, 40644..40772, 41192..41277, 41504..41581		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52908	Strand	-
Start	903	End	10406
Name	OJ990914_11.9B24.C31.o1.gs	Method	GENSCAN
Start	903	End	10406
GI	none	Score	.55
Exons	903..996, 1325..1416, 1678..1810, 1932..2205, 2307..2523, 2647..2807, 3870..5134, 6395..6705, 6787..6919, 7029..7269, 7373..7589, 7806..7930, 9089..10406		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52908	Strand	-
Start	903	End	10406
Name	OJ990914_11.9B24.C31.o2.gp	Method	AAT/GAP
Start	4875	End	5214
GI	uC-osroM202008d11b1	Score	635
Exons	4875..5214		
GI Descrip.	'5734723/gb|AAD49988.1|AC007259_1 2.0e-09 (AC007259) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52909	Strand	-
Start	16120	End	20084
Name	OJ990914_11.9B24.C31.o1.np	Method	AAT/NAP
Start	15889	End	19965
GI	5902445	Score	2120
Exons	15889..17092, 17132..18306, 19921..19965		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52909	Strand	-
Start	16120	End	20084
Name	OJ990914_11.9B24.C31.o3.gs	Method	GENSCAN
Start	16120	End	20084
GI	none	Score	.47
Exons	16120..16450, 16532..16721, 16987..18097, 18177..19099, 19168..19587, 19649..20084		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31

Gene No.	52910	Strand	-
Start	22122	End	24799
Name	OJ990914_11.9B24.C31.o4.gs	Method	GENSCAN
Start	22122	End	24799
GI	none	Score	.57
Exons	22122..22381, 22387..22671, 23002..23053, 23704..24007, 24052..24125, 24797..24799		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52911	Strand	-
Start	25521	End	29005
Name	OJ990914_11.9B24.C31.o5.gs	Method	GENSCAN
Start	25521	End	29005
GI	none	Score	.92
Exons	25521..25817, 25907..26039, 26122..26353, 26468..26684, 26842..26966, 27664..29005		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o2.ts	Method	TBLASTX:Soybean
Start	8	End	28906
GI	none	Score	60
Exons	8..91, 74..172, 185..343, 4679..4756, 4681..4758, 4831..4971, 4838..4978, 4975..4995, 5024..5086, 5029..5109, 5180..5230, 9901..10017, 9903..10016, 10071..10181, 10078..10191, 10183..10284, 10188..10307, 28499..28600, 28676..28777, 28779..28856, 28784..28855, 28847..28906		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o6.tm	Method	TBLASTX:Maize
Start	8	End	28855
GI	none	Score	66
Exons	8..172, 12..77, 96..167, 98..172, 176..283, 4657..4734, 4771..4842, 4918..4971, 4969..5037, 10134..10160, 10170..10307, 28421..28465, 28511..28552, 28553..28600, 28658..28765, 28757..28855		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o3.tc	Method	TBLASTX:Cress
Start	59	End	28861
GI	none	Score	68
Exons	59..187, 185..274, 4489..4734, 4804..4971, 4841..4957, 4972..4992, 9714..9968, 9829..9987, 10065..10184, 10066..10176, 10183..10275, 10185..10274, 28295..28354, 28421..28552, 28679..28762, 28781..28861		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o1.tc	Method	TBLASTX:Cress
Start	1207	End	31926
GI	none	Score	72

Exons	1207..1326, 1703..1807, 1705..1806, 1955..2065, 2069..2152, 2308..2448, 2476..2529, 6472..6606, 6796..6915, 6815..6910, 7058..7246, 7374..7526, 7806..7889, 25599..25727, 25627..25716, 25925..26035, 26145..26342, 26469..26636, 26631..26687, 26830..26916, 30704..30868, 31033..31137, 31034..31138, 31366..31578, 31367..31528, 31369..31572, 31370..31612, 31716..31916, 31716..31925, 31729..31926		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o1.ts	Method	TBLASTX:Soybean
Start	1207	End	31926
GI	none	Score	92
Exons	1207..1326, 1697..1810, 1705..1809, 1952..2065, 1971..2069, 2066..2155, 2069..2131, 2338..2475, 2479..2529, 2647..2679, 6475..6609, 6515..6595, 6661..6705, 6802..6918, 6815..6919, 7058..7249, 7077..7229, 7404..7541, 7548..7589, 25596..25718, 25785..25817, 25934..26038, 25944..26027, 26160..26342, 26169..26330, 26409..26492, 26499..26636, 30665..30700, 30713..30877, 30714..30881, 30991..31140, 31028..31141, 31370..31687, 31415..31528, 31713..31739, 31731..31916, 31743..31925, 31744..31926		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o1.tm	Method	TBLASTX:Maize
Start	1243	End	31158
GI	none	Score	88
Exons	1243..1326, 1708..1809, 1709..1810, 6499..6606, 6512..6595, 6643..6708, 6649..6705, 6808..6918, 6809..6922, 25635..25718, 25739..25816, 25907..26056, 25944..26057, 30590..30649, 30591..30650, 30651..30881, 30651..30875, 30653..30877, 30991..31038, 30991..31041, 30992..31039, 31033..31158, 31040..31156, 31042..31158		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o9.tw	Method	TBLASTX:Wheat
Start	1700	End	31492
GI	none	Score	85
Exons	1700..1810, 1705..1809, 1958..2065, 6769..6918, 6815..6919, 7064..7153, 25916..26038, 25931..26029, 25944..26039, 26145..26237, 26153..26224, 30991..31167, 31034..31171, 31370..31492, 31371..31451		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o2.tm	Method	TBLASTX:Maize
Start	2012	End	32128
GI	none	Score	131
Exons	2012..2065, 2308..2451, 2473..2526, 7115..7222, 7374..7541, 7536..7589, 26190..26336, 26469..26636, 26631..26687, 31445..31564, 31452..31565, 31453..31563, 31453..31566,		

31538..31612, 31563..31604, 31704..31931, 31716..31931, 31717..31932, 32075..32128

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o3.tw	Method	TBLASTX:Wheat
Start	2069	End	31926
GI	none	Score	65
Exons	2069..2131, 2308..2481, 2317..2481, 2473..2532, 7154..7267, 7374..7541, 7536..7589, 26238..26330, 26451..26636, 26631..26687, 31493..31612, 31524..31613, 31704..31913, 31716..31925, 31726..31926		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o4.tc	Method	TBLASTX:Cress
Start	4090	End	28192
GI	none	Score	120
Exons	4090..4128, 4135..4182, 4189..4233, 4231..4464, 9300..9338, 9354..9452, 9450..9689, 27932..28048, 28025..28192		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o8.tw	Method	TBLASTX:Wheat
Start	4189	End	28141
GI	none	Score	99
Exons	4189..4245, 4261..4344, 9216..9287, 9339..9464, 9468..9566, 27725..27763, 27779..27850, 27869..28030, 28043..28141		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o2.tw	Method	TBLASTX:Wheat
Start	15898	End	16506
GI	none	Score	64
Exons	15898..16029, 15899..16024, 16054..16506, 16250..16357, 16403..16492		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o4.tw	Method	TBLASTX:Wheat
Start	16630	End	17010
GI	none	Score	204
Exons	16630..17010, 16631..17005		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o3.tm	Method	TBLASTX:Maize
Start	16708	End	17010
GI	none	Score	175
Exons	16708..17010, 16709..16996		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o10.tw	Method	TBLASTX:Wheat
Start	17177	End	17435
GI	none	Score	78
Exons	17177..17434, 17181..17435		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o6.tw	Method	TBLASTX:Wheat
Start	17474	End	17882
GI	none	Score	51
Exons	17474..17647, 17477..17629, 17655..17882, 17657..17881		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o5.tm	Method	TBLASTX:Maize
Start	17879	End	18305
GI	none	Score	140
Exons	17879..17905, 17957..18031, 18050..18304, 18072..18305		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o5.tw	Method	TBLASTX:Wheat
Start	17951	End	18307
GI	none	Score	179
Exons	17951..18307, 17961..18305		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o4.ts	Method	TBLASTX:Soybean
Start	17972	End	18307
GI	none	Score	216
Exons	17972..18307		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o7.tw	Method	TBLASTX:Wheat
Start	18777	End	19175
GI	none	Score	85
Exons	18777..19052, 18778..19005, 19011..19124, 19063..19113, 19128..19175		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o6.gs	Method	GENSCAN
Start	29832	End	36548
GI	none	Score	.59
Exons	29832..30052, 30751..30877, 30991..31124, 31368..31421, 31715..31925, 32075..32268, 32542..32662, 33485..33638,		

34092..34319, 34330..34482, 34638..34924, 36078..36151,
36464..36548

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52912	Strand	-
Start	29832	End	36548
Name	OJ990914_11.9B24.C31.o2.np	Method	AAT/NAP
Start	30593	End	34717
GI	3021270	Score	783
Exons	30593..30877, 30991..31141, 31368..31605, 31715..31925, 32075..32154, 34621..34717		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52913	Strand	
Start	40250	End	41260
Name	OJ990914_11.9B24.C31.o1.tw	Method	TBLASTX:Wheat
Start	40250	End	40774
GI	none	Score	87
Exons	40250..40336, 40250..40333, 40252..40359, 40435..40563, 40436..40522, 40437..40568, 40437..40568, 40643..40771, 40644..40772, 40644..40772, 40645..40773, 40646..40774		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52913	Strand	
Start	40250	End	41260
Name	OJ990914_11.9B24.C31.o2.tc	Method	TBLASTX:Cress
Start	40437	End	40791
GI	none	Score	86
Exons	40437..40517, 40628..40723, 40634..40777, 40635..40781, 40641..40778, 40711..40791, 40753..40782		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52913	Strand	
Start	40250	End	41260
Name	OJ990914_11.9B24.C31.o3.ts	Method	TBLASTX:Soybean
Start	40482	End	41248
GI	none	Score	75
Exons	40482..40568, 40643..40771, 40644..40772, 40646..40774, 41192..41248		

Seq. No.	25516	Seq. ID	OJ990914_11.9B24.C31
Gene No.	52913	Strand	
Start	40250	End	41260
Name	OJ990914_11.9B24.C31.o4.tm	Method	TBLASTX:Maize
Start	40492	End	41260
GI	none	Score	87
Exons	40492..40563, 40493..40564, 40494..40568, 40643..40771, 40644..40772, 40644..40772, 40646..40774, 41191..41259, 41192..41260		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52914	Strand	+
Start	130	End	377
Name	OJ990914_13.9B24.C2.o1.gs	Method	GENSCAN
Start	130	End	377

GI	none	Score	.46
Exons	130..377		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52915	Strand	+
Start	7074	End	8572
Name	OJ990914_13.9B24.C2.o3.gs	Method	GENSCAN
Start	7074	End	8572
GI	none	Score	.73
Exons	7074..7796, 8429..8572		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52916	Strand	+
Start	9177	End	10158
Name	OJ990914_13.9B24.C2.o4.gs	Method	GENSCAN
Start	9177	End	10158
GI	none	Score	.5
Exons	9177..9254, 9259..9682, 10067..10158		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52917	Strand	+
Start	12107	End	12948
Name	OJ990914_13.9B24.C2.o5.gs	Method	GENSCAN
Start	12107	End	12948
GI	none	Score	.6
Exons	12107..12192, 12523..12627, 12633..12948		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52918	Strand	+
Start	14392	End	15130
Name	OJ990914_13.9B24.C2.o2.gp	Method	AAT/GAP
Start	14392	End	15130
GI	101153_1.R1084	Score	401
Exons	14392..14431, 14879..15130		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52919	Strand	+
Start	17599	End	21371
Name	OJ990914_13.9B24.C2.o7.gs	Method	GENSCAN
Start	17599	End	21371
GI	none	Score	.4
Exons	17599..18745, 19914..20139, 20738..20921, 21096..21371		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52919	Strand	+
Start	17599	End	21371
Name	OJ990914_13.9B24.C2.o3.gp	Method	AAT/GAP
Start	18324	End	18860
GI	none	Score	966
Exons	18324..18860		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52920	Strand	+
Start	23646	End	24032
Name	OJ990914_13.9B24.C2.o8.gs	Method	GENSCAN

Start	23646	End	24032
GI	none	Score	.53
Exons	23646..23770, 23885..24032		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52921	Strand	+
Start	30591	End	30871
Name	OJ990914_13.9B24.C2.o4.np	Method	AAT/NAP
Start	30591	End	30871
GI	4584539	Score	58
Exons	30591..30871		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52922	Strand	+
Start	31207	End	31782
Name	OJ990914_13.9B24.C2.o4.gp	Method	AAT/GAP
Start	31207	End	31782
GI	none	Score	1082
Exons	31207..31782		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52923	Strand	+
Start	31947	End	32482
Name	OJ990914_13.9B24.C2.o5.gp	Method	AAT/GAP
Start	31947	End	32482
GI	2798243	Score	1034
Exons	31947..32482		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52924	Strand	+
Start	35272	End	36691
Name	OJ990914_13.9B24.C2.o6.gp	Method	AAT/GAP
Start	35189	End	35594
GI	220_10.R1084	Score	763
Exons	35189..35594		
GI Descrip.	'135449/sp|P18025|TBB1_MAIZE 1.0e-51 TUBULIN BETA-1 CHAIN >gi_100932_pir__S14701 tubulin beta-1 chain - maize >gi_295851_emb_CAA37060_ (X52878) beta 1 tubulin [Zea mays]'		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52924	Strand	+
Start	35272	End	36691
Name	OJ990914_13.9B24.C2.o10.gs	Method	GENSCAN
Start	35272	End	36691
GI	none	Score	.92
Exons	35272..35665, 35742..36691		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52924	Strand	+
Start	35272	End	36691
Name	OJ990914_13.9B24.C2.o5.np	Method	AAT/NAP
Start	35272	End	36688
GI	135449	Score	2282
Exons	35272..35665, 35742..36688		
GI Descrip.	TUBULIN BETA-1 CHAIN gi|100932|pir||S14701 tubulin beta-1 chain - maize gi|295851|emb|CAA37060| (X52878) beta 1 tubulin [Zea		

mays]

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52925	Strand	-
Start	1044	End	3340
Name	OJ990914_13.9B24.C2.o1.gp	Method	AAT/GAP
Start	1044	End	3340
GI	none	Score	1367
Exons	1044..1516, 3007..3122, 3215..3340		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52926	Strand	-
Start	3244	End	5589
Name	OJ990914_13.9B24.C2.o2.gs	Method	GENSCAN
Start	3244	End	5589
GI	none	Score	.41
Exons	3244..3386, 4835..4887, 5155..5302, 5433..5589		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52927	Strand	-
Start	11433	End	15488
Name	OJ990914_13.9B24.C2.o1.np	Method	AAT/NAP
Start	11433	End	15488
GI	5852179	Score	372
Exons	11433..11450, 13989..14174, 14249..14479, 15468..15488		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52928	Strand	-
Start	22795	End	23197
Name	OJ990914_13.9B24.C2.o2.np	Method	AAT/NAP
Start	22795	End	23197
GI	5042463	Score	203
Exons	22795..23197		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52929	Strand	-
Start	26930	End	33866
Name	OJ990914_13.9B24.C2.o9.gs	Method	GENSCAN
Start	26930	End	33866
GI	none	Score	.64
Exons	26930..27708, 27789..27984, 29424..29465, 32711..32790, 33575..33866		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52929	Strand	-
Start	26930	End	33866
Name	OJ990914_13.9B24.C2.o3.np	Method	AAT/NAP
Start	27394	End	27664
GI	5103812	Score	96
Exons	27394..27664		
GI Descrip.	(AC007591) Similar to gb|AJ005073 Alix (ALG-2-interacting protein X) from Mus musculus. ESTs gb|R90133, gb|Z17944 and gb|AA605465 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2

Gene No.	52930	Strand	-
Start	38993	End	51542
Name	OJ990914_13.9B24.C2.o11.gs	Method	GENSCAN
Start	38993	End	51542
GI	none	Score	.73
Exons	38993..39117, 39952..40120, 40225..40368, 41792..42000, 42338..42358, 43994..44297, 44745..46637, 46981..47103, 47358..47381, 47581..47644, 49066..49265, 49593..49665, 50332..50663, 50843..51007, 51175..51293, 51491..51542		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52930	Strand	-
Start	38993	End	51542
Name	OJ990914_13.9B24.C2.o6.np	Method	AAT/NAP
Start	40223	End	43410
GI	3386609	Score	64
Exons	40223..40368, 40889..41030, 43379..43410		
GI Descrip.	(AC004665) putative AT-hook DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52930	Strand	-
Start	38993	End	51542
Name	OJ990914_13.9B24.C2.o7.np	Method	AAT/NAP
Start	43935	End	47544
GI	6633852	Score	348
Exons	43935..44006, 44052..44291, 44799..45647, 47421..47544		
GI Descrip.	(AC008047) F2K11.12 [Arabidopsis thaliana]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52931	Strand	-
Start	52487	End	55297
Name	OJ990914_13.9B24.C2.o12.gs	Method	GENSCAN
Start	52487	End	54955
GI	none	Score	.76
Exons	52487..52696, 53803..53970, 54218..54955		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52931	Strand	-
Start	52487	End	55297
Name	OJ990914_13.9B24.C2.o8.np	Method	AAT/NAP
Start	52514	End	55297
GI	6850899	Score	929
Exons	52514..52696, 53321..53527, 53803..53970, 54218..54763, 55203..55297		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o3.ts	Method	TBLASTX:Soybean
Start	4653	End	5078
GI	none	Score	59
Exons	4653..4727, 4658..4726, 4832..4876, 4848..4874, 4966..5061, 4968..5066, 4971..5078, 4978..5070		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2

Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o6.tm	Method	TBLASTX:Maize
Start	18205	End	18474
GI	none	Score	51
Exons	18205..18297, 18317..18472, 18324..18461, 18325..18474		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o1.tc	Method	TBLASTX:Cress
Start	35272	End	36625
GI	none	Score	679
Exons	35272..35346, 35278..35667, 35283..35591, 35419..35673, 35741..36625, 35794..35913, 35974..36624		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	35272	End	36625
GI	none	Score	192
Exons	35272..35346, 35278..35403, 35289..35369, 35392..35532, 35412..35531, 35529..35591, 35530..35667, 35551..35673, 35722..35763, 35740..35811, 35807..36370, 35815..36369, 36367..36624, 36371..36625		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	35272	End	35977
GI	none	Score	660
Exons	35272..35343, 35278..35667, 35283..35591, 35710..35760, 35740..35898, 35741..35977, 35797..35916, 35942..35977		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	35272	End	36625
GI	none	Score	674
Exons	35272..35346, 35278..35667, 35283..35369, 35409..35591, 35551..35682, 35710..35760, 35740..35898, 35741..36625, 35794..36624		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o2.tw	Method	TBLASTX:Wheat
Start	36037	End	36313
GI	none	Score	477
Exons	36037..36309, 36038..36313		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009

Name	OJ990914_13.9B24.C2.o3.tw	Method	TBLASTX:Wheat
Start	36418	End	36625
GI	none	Score	354
Exons	36418..36624, 36419..36625		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o2.ts	Method	TBLASTX:Soybean
Start	44814	End	44961
GI	none	Score	72
Exons	44814..44891, 44814..44960, 44815..44961		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o3.tm	Method	TBLASTX:Maize
Start	44868	End	45132
GI	none	Score	216
Exons	44868..45131, 44869..45129, 44869..45132, 44898..45131		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o2.tm	Method	TBLASTX:Maize
Start	45234	End	45644
GI	none	Score	370
Exons	45234..45626, 45238..45570, 45243..45644		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o7.tm	Method	TBLASTX:Maize
Start	52481	End	53382
GI	none	Score	59
Exons	52481..52558, 52484..52534, 52486..52560, 52541..52699, 52542..52697, 52569..52718, 53312..53380, 53319..53381, 53320..53382		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o5.tm	Method	TBLASTX:Maize
Start	53384	End	53528
GI	none	Score	217
Exons	53384..53524, 53385..53528, 53388..53528		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o4.ts	Method	TBLASTX:Soybean
Start	53797	End	54442
GI	none	Score	119
Exons	53797..53997, 53810..53953, 54320..54442, 54345..54422		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-

Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o4.tm	Method	TBLASTX:Maize
Start	53801	End	54436
GI	none	Score	179
Exons	53801..53971, 53802..53972, 53803..53988, 53803..53997, 54242..54271, 54272..54436, 54339..54416		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o2.tc	Method	TBLASTX:Cress
Start	54320	End	54670
GI	none	Score	81
Exons	54320..54442, 54345..54416, 54461..54670		

Seq. No.	25517	Seq. ID	OJ990914_13.9B24.C2
Gene No.	52932	Strand	-
Start	55864	End	56009
Name	OJ990914_13.9B24.C2.o13.gs	Method	GENSCAN
Start	55864	End	56009
GI	none	Score	.98
Exons	55864..56009		

Seq. No.	25518	Seq. ID	OJ990914_13.9B24.C3
Gene No.	52933	Strand	-
Start	200	End	1788
Name	OJ990914_13.9B24.C3.o1.gs	Method	GENSCAN
Start	200	End	1721
GI	none	Score	.69
Exons	200..744, 850..1099, 1182..1285, 1364..1721		

Seq. No.	25518	Seq. ID	OJ990914_13.9B24.C3
Gene No.	52933	Strand	-
Start	200	End	1788
Name	OJ990914_13.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	221	End	1109
GI	none	Score	86
Exons	221..349, 245..364, 362..544, 381..557, 387..551, 524..742, 545..745, 888..1076, 893..1102, 894..1109		

Seq. No.	25518	Seq. ID	OJ990914_13.9B24.C3
Gene No.	52933	Strand	-
Start	200	End	1788
Name	OJ990914_13.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	380	End	679
GI	none	Score	130
Exons	380..547, 383..547, 400..555, 548..679, 548..676		

Seq. No.	25518	Seq. ID	OJ990914_13.9B24.C3
Gene No.	52933	Strand	-
Start	200	End	1788
Name	OJ990914_13.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	1494	End	1788
GI	none	Score	121
Exons	1494..1655, 1518..1649, 1644..1724, 1646..1729, 1647..1736, 1672..1737, 1724..1771, 1725..1781, 1726..1776, 1765..1788		

Seq. No.	25519	Seq. ID	OJ990914_13.9B24.C4
Gene No.	52934	Strand	-
Start	25	End	1443
Name	OJ990914_13.9B24.C4.o1.gs	Method	GENSCAN
Start	25	End	1443
GI	none	Score	.95
Exons	25..642, 1382..1443		

Seq. No.	25519	Seq. ID	OJ990914_13.9B24.C4
Gene No.	52934	Strand	-
Start	25	End	1443
Name	OJ990914_13.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	97	End	651
GI	none	Score	61
Exons	97..180, 202..324, 203..316, 331..444, 466..561, 483..545, 488..562, 562..642, 564..641, 586..651		

Seq. No.	25519	Seq. ID	OJ990914_13.9B24.C4
Gene No.	52934	Strand	-
Start	25	End	1443
Name	OJ990914_13.9B24.C4.o1.gp	Method	AAT/GAP
Start	273	End	629
GI	none	Score	648
Exons	273..629		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52935	Strand	+
Start	349	End	4378
Name	OJ990914_13.9B24.C5.o1.gp	Method	AAT/GAP
Start	349	End	3047
GI	none	Score	524
Exons	349..399, 489..697, 3015..3047		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52935	Strand	+
Start	349	End	4378
Name	OJ990914_13.9B24.C5.o1.gs	Method	GENSCAN
Start	658	End	4378
GI	none	Score	.63
Exons	658..697, 3126..3227, 3664..3742, 3753..4006, 4284..4378		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52936	Strand	+
Start	20654	End	20809
Name	OJ990914_13.9B24.C5.o2.gp	Method	AAT/GAP
Start	20654	End	20809
GI	350_1.R1084	Score	300
Exons	20654..20809		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 1.0e-135 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52936	Strand	+
Start	20654	End	20809
Name	OJ990914_13.9B24.C5.o2.np	Method	AAT/NAP
Start	20677	End	20809

GI	2498586	Score	182
Exons	20677..20809		
GI Descrip.	MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) gi|1173557 (U31771) Ory s 1 [Oryza sativa]		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52937	Strand	-
Start	4545	End	14899
Name	OJ990914_13.9B24.C5.o2.gs	Method	GENSCAN
Start	4545	End	14899
GI	none	Score	.69
Exons	4545..4703, 4937..5111, 5550..5656, 6207..6506, 6602..6654, 6781..6918, 7191..7341, 8026..8233, 8305..8724, 10042..10154, 10458..10553, 10830..10946, 11495..11593, 11840..11971, 12075..12251, 12373..12547, 12649..12737, 13305..13886, 14855..14899		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52937	Strand	-
Start	4545	End	14899
Name	OJ990914_13.9B24.C5.o1.np	Method	AAT/NAP
Start	9291	End	13841
GI	6319167	Score	1168
Exons	9291..9405, 10042..10154, 10458..10553, 10830..10946, 11495..11593, 11840..11971, 12075..12251, 12373..12547, 13735..13841		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52938	Strand	-
Start	18511	End	20629
Name	OJ990914_13.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	9270	End	12794
GI	none	Score	120
Exons	9270..9407, 9288..9407, 9295..9408, 9295..9408, 10013..10156, 10041..10157, 10041..10157, 10455..10568, 10456..10569, 10456..10569, 10815..10946, 10828..10947, 10830..10946, 10831..10950, 11492..11614, 11492..11596, 11493..11612, 11834..11971, 11838..11975, 11840..11971, 12072..12251, 12073..12252, 12074..12259, 12074..12253, 12370..12531, 12371..12553, 12373..12594, 12374..12550, 12622..12684, 12648..12794, 12649..12753		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52938	Strand	-
Start	18511	End	20629
Name	OJ990914_13.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	10041	End	12549
GI	none	Score	93
Exons	10041..10157, 10041..10157, 10438..10554, 10438..10545, 10455..10568, 10830..10946, 10834..10947, 11465..11596, 11499..11612, 11501..11620, 11834..11971, 11838..11978, 11840..11971, 12072..12251, 12073..12252, 12075..12254, 12371..12529, 12372..12518, 12373..12549, 12377..12547		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5

Gene No.	52938	Strand	-
Start	18511	End	20629
Name	OJ990914_13.9B24.C5.o1.tc	Method	TBLASTX:Cress
Start	11510	End	12532
GI	none	Score	137
Exons	11510..11596, 11838..11978, 11840..11971, 12072..12248, 12073..12243, 12361..12531, 12362..12532		

Seq. No.	25520	Seq. ID	OJ990914_13.9B24.C5
Gene No.	52938	Strand	-
Start	18511	End	20629
Name	OJ990914_13.9B24.C5.o3.gs	Method	GENSCAN
Start	18511	End	20629
GI	none	Score	.51
Exons	18511..18601, 20484..20629		

Seq. No.	25521	Seq. ID	OJ990914_13.9B24.C6
Gene No.	52939	Strand	+
Start	1	End	810
Name	OJ990914_13.9B24.C6.o1.gp	Method	AAT/GAP
Start	1	End	810
GI	350_1.R1084	Score	1506
Exons	1..810		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 1.0e-135 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25521	Seq. ID	OJ990914_13.9B24.C6
Gene No.	52939	Strand	+
Start	1	End	810
Name	OJ990914_13.9B24.C6.o1.np	Method	AAT/NAP
Start	1	End	467
GI	2498586	Score	670
Exons	1..467		
GI Descrip.	MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) gi|1173557 (U31771) Ory s 1 [Oryza sativa]		

Seq. No.	25521	Seq. ID	OJ990914_13.9B24.C6
Gene No.	52939	Strand	+
Start	1	End	810
Name	OJ990914_13.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	14	End	461
GI	none	Score	60
Exons	14..52, 14..61, 69..461, 134..460		

Seq. No.	25521	Seq. ID	OJ990914_13.9B24.C6
Gene No.	52939	Strand	+
Start	1	End	810
Name	OJ990914_13.9B24.C6.o1.tw	Method	TBLASTX:Wheat
Start	29	End	461
GI	none	Score	40
Exons	29..52, 69..161, 103..156, 170..427, 171..461		

Seq. No.	25521	Seq. ID	OJ990914_13.9B24.C6
Gene No.	52939	Strand	+
Start	1	End	810
Name	OJ990914_13.9B24.C6.o1.ts	Method	TBLASTX:Soybean

Start	69	End	458
GI	none	Score	101
Exons	69..161, 174..275, 281..406, 282..380, 375..458		

Seq. No.	25521	Seq. ID	OJ990914_13.9B24.C6
Gene No.	52939	Strand	+
Start	1	End	810
Name	OJ990914_13.9B24.C6.o1.gs	Method	GENSCAN
Start	78	End	470
GI	none	Score	.94
Exons	78..470		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52940	Strand	+
Start	50	End	1222
Name	OJ990914_13.9B24.C7.o1.gs	Method	GENSCAN
Start	50	End	1222
GI	none	Score	.7
Exons	50..257, 1076..1222		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52941	Strand	+
Start	1967	End	2342
Name	OJ990914_13.9B24.C7.o1.gp	Method	AAT/GAP
Start	1967	End	2342
GI	45606_1.R1084	Score	722
Exons	1967..2342		
GI Descrip.	'729944/sp|Q07154|MPZ1_MAIZE 4.0e-14 POLLEN ALLERGEN ZEA M 1 (ZEA M I) >gi_478272_pir__JC1524 major allergen mI protein - maize >gi_293902 (L14271) Zea mI [Zea mays]'		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52942	Strand	+
Start	3892	End	4349
Name	OJ990914_13.9B24.C7.o3.gp	Method	AAT/GAP
Start	3892	End	4349
GI	3759907	Score	618
Exons	3892..3916, 3985..4349		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52943	Strand	+
Start	7772	End	8806
Name	OJ990914_13.9B24.C7.o4.gp	Method	AAT/GAP
Start	7772	End	8806
GI	350_1.R1084	Score	1592
Exons	7772..7868, 7924..8806		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 1.0e-135 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52944	Strand	+
Start	16339	End	17220
Name	OJ990914_13.9B24.C7.o5.gs	Method	GENSCAN
Start	16339	End	17220
GI	none	Score	.53
Exons	16339..16503, 16948..17220		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52945	Strand	-
Start	2180	End	3009
Name	OJ990914_13.9B24.C7.o2.gs	Method	GENSCAN
Start	2180	End	2983
GI	none	Score	.96
Exons	2180..2983		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52945	Strand	-
Start	2180	End	3009
Name	OJ990914_13.9B24.C7.o1.np	Method	AAT/NAP
Start	2195	End	2983
GI	1171008	Score	1013
Exons	2195..2983		
GI Descrip.	POLLEN ALLERGEN PHL P 1 PRECURSOR (PHL P I) gi|629812|pir||S44182 allergen Phl p I - common timothy gi|473360|emb|CAA55390| (X78813) Phl p I allergen [Phleum pratense]		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52945	Strand	-
Start	2180	End	3009
Name	OJ990914_13.9B24.C7.o2.gp	Method	AAT/GAP
Start	2480	End	3009
GI	29380_1.R1084	Score	1060
Exons	2480..3009		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 4.0e-67 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52946	Strand	-
Start	4144	End	8787
Name	OJ990914_13.9B24.C7.o3.gs	Method	GENSCAN
Start	4144	End	8787
GI	none	Score	.65
Exons	4144..4226, 4284..4321, 5410..5537, 5735..6010, 6197..6380, 7988..8228, 8346..8787		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52946	Strand	-
Start	4144	End	8787
Name	OJ990914_13.9B24.C7.o2.np	Method	AAT/NAP
Start	7999	End	8787
GI	3901094	Score	1013
Exons	7999..8787		
GI Descrip.	(Z27090) pollen allergen Phl pI [Phleum pratense]		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o3.tw	Method	TBLASTX:Wheat
Start	2177	End	12847
GI	none	Score	63
Exons	2177..2386, 7993..8184, 8072..8173, 12656..12847, 12735..12836		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	2195	End	13421
GI	none	Score	165
Exons	2195..2377, 2202..2486, 2204..2497, 2314..2478, 2432..2503, 2446..2574, 2447..2620, 2492..2917, 2493..2921, 2734..2937, 8001..8036, 8008..8307, 8021..8311, 8296..8724, 8297..8599, 8642..8722, 12664..12699, 12671..12970, 12684..12971, 12959..13384, 12960..13256, 13095..13421, 13305..13385		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o1.ts	Method	TBLASTX:Soybean
Start	2198	End	13316
GI	none	Score	45
Exons	2198..2275, 2200..2271, 2268..2360, 2270..2368, 2432..2476, 2480..2614, 2633..2779, 2634..2786, 2787..2819, 2817..2855, 7996..8079, 8048..8173, 8074..8172, 8179..8280, 8293..8418, 8437..8583, 8438..8590, 12659..12742, 12711..12836, 12737..12835, 12842..12943, 12956..13081, 13100..13246, 13284..13316		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o2.tc	Method	TBLASTX:Cress
Start	2315	End	13297
GI	none	Score	89
Exons	2315..2560, 2625..2831, 2627..2830, 8119..8265, 8296..8364, 8431..8607, 8432..8599, 12782..12928, 12959..13027, 13094..13297, 13095..13256		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o1.tw	Method	TBLASTX:Wheat
Start	2387	End	13445
GI	none	Score	171
Exons	2387..2617, 2432..2881, 2580..2882, 2671..2883, 2734..2883, 2876..2917, 2880..2918, 2884..2949, 5891..6031, 8185..8685, 8240..8599, 8643..8681, 8680..8721, 8687..8782, 12848..13345, 12898..12984, 12903..13256, 13279..13344, 13291..13347, 13343..13384, 13350..13445, 13350..13421		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o4.gs	Method	GENSCAN
Start	10277	End	13450
GI	none	Score	.41
Exons	10277..10889, 12651..13450		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7

Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o5.gp	Method	AAT/GAP
Start	12295	End	13473
GI	350_1.R1084	Score	2257
Exons	12295..13473		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 1.0e-135 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o5.np	Method	AAT/NAP
Start	12648	End	23513
GI	1903264	Score	69
Exons	12648..12709, 21144..21244, 22894..23080, 23435..23513		
GI Descrip.	(Y11824) hypothetical protein [Pisum sativum]		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o3.np	Method	AAT/NAP
Start	12650	End	13450
GI	2498586	Score	1239
Exons	12650..13450		
GI Descrip.	MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) gi|1173557 (U31771) Ory s 1 [Oryza sativa]		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o6.gp	Method	AAT/GAP
Start	16918	End	18064
GI	none	Score	1099
Exons	16918..17305, 17494..17615, 17989..18064		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o6.gs	Method	GENSCAN
Start	17432	End	24705
GI	none	Score	.68
Exons	17432..17615, 17989..18146, 18224..18324, 18593..18668, 18828..18938, 19010..19201, 19574..19798, 21144..21270, 22171..22273, 22353..22551, 22688..22742, 22969..23000, 24667..24705		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o4.np	Method	AAT/NAP
Start	17988	End	19957
GI	3386600	Score	781
Exons	17988..18112, 18208..18336, 18593..18668, 18828..18938, 19010..19201, 19574..19798, 19922..19957		
GI Descrip.	(AC004665) putative SKP1-like protein [Arabidopsis thaliana]		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o3.tm	Method	TBLASTX:Maize
Start	18277	End	19126
GI	none	Score	61
Exons	18277..18327, 18395..18433, 18568..18669, 18590..18670, 18596..18670, 18827..18940, 18828..18941, 18868..18972, 18990..19124, 19004..19126, 19010..19123		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o2.tw	Method	TBLASTX:Wheat
Start	18604	End	19091
GI	none	Score	60
Exons	18604..18669, 18605..18670, 18605..18670, 18827..18940, 18828..18941, 18868..18954, 19003..19089, 19008..19091, 19010..19087		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o1.tc	Method	TBLASTX:Cress
Start	18894	End	19957
GI	none	Score	67
Exons	18894..18941, 18898..18972, 19008..19202, 19009..19203, 19010..19204, 19026..19250, 19572..19658, 19574..19720, 19626..19736, 19634..19741, 19688..19786, 19748..19813, 19919..19957		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o2.ts	Method	TBLASTX:Soybean
Start	18978	End	19682
GI	none	Score	238
Exons	18978..19202, 19004..19204, 19010..19246, 19568..19672, 19572..19682, 19574..19681		

Seq. No.	25522	Seq. ID	OJ990914_13.9B24.C7
Gene No.	52947	Strand	-
Start	10277	End	24705
Name	OJ990914_13.9B24.C7.o2.tm	Method	TBLASTX:Maize
Start	19130	End	20001
GI	none	Score	89
Exons	19130..19246, 19134..19202, 19136..19204, 19572..19808, 19572..19799, 19574..19813, 19917..19976, 19922..19963, 19969..20001		

Seq. No.	25523	Seq. ID	OJ990914_13.9B24.C8
Gene No.	52948	Strand	-
Start	13	End	510
Name	OJ990914_13.9B24.C8.o1.gs	Method	GENSCAN
Start	13	End	510
GI	none	Score	.59

Exons	13..428, 433..510		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o1.np	Method	AAT/NAP
Start	1	End	3097
GI	6498441	Score	3105
Exons	1..617, 801..1174, 1238..1701, 2032..3097		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o2.tm	Method	TBLASTX:Maize
Start	374	End	653
GI	none	Score	171
Exons	374..652, 408..653		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o1.ts	Method	TBLASTX:Soybean
Start	383	End	607
GI	none	Score	85
Exons	383..607, 405..599		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o3.tw	Method	TBLASTX:Wheat
Start	392	End	703
GI	none	Score	172
Exons	392..703, 405..695		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o1.tm	Method	TBLASTX:Maize
Start	680	End	1036
GI	none	Score	125
Exons	680..985, 680..1036, 690..1001		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o1.tw	Method	TBLASTX:Wheat
Start	704	End	1167
GI	none	Score	218
Exons	704..1165, 710..1165, 711..1166, 724..1167		
Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o2.ts	Method	TBLASTX:Soybean

Start	761	End	1126
GI	none	Score	115
Exons	761..895, 902..1126		

Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o2.gs	Method	GENSCAN
Start	1175	End	9185
GI	none	Score	.58
Exons	1175..2520, 2651..3676, 3713..3887, 4138..4227, 4327..4399, 4902..4973, 5519..5689, 5829..5991, 6294..6418, 9149..9185		

Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o2.tw	Method	TBLASTX:Wheat
Start	1331	End	1817
GI	none	Score	172
Exons	1331..1816, 1362..1622, 1680..1817		

Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o4.tw	Method	TBLASTX:Wheat
Start	2556	End	3108
GI	none	Score	97
Exons	2556..2813, 2590..2829, 2788..2889, 2796..2894, 2901..2948, 3073..3108		

Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o3.tm	Method	TBLASTX:Maize
Start	2658	End	2943
GI	none	Score	91
Exons	2658..2906, 2659..2943		

Seq. No.	25524	Seq. ID	OJ990914_18.9B24.C1
Gene No.	52949	Strand	-
Start	1	End	9185
Name	OJ990914_18.9B24.C1.o2.np	Method	AAT/NAP
Start	3834	End	4317
GI	5042454	Score	224
Exons	3834..3887, 4138..4317		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2
Gene No.	52950	Strand	+
Start	99	End	6970
Name	OJ990914_18.9B24.C2.o1.gs	Method	GENSCAN
Start	99	End	4496
GI	none	Score	.63
Exons	99..275, 1207..1301, 1865..1984, 2233..2361, 2498..2773, 3007..3450, 3789..4496		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2

Gene No.	52950	Strand	+
Start	99	End	6970
Name	OJ990914_18.9B24.C2.o1.gp	Method	AAT/GAP
Start	1874	End	2346
GI	2428464	Score	594
Exons	1874..2089, 2233..2346		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2
Gene No.	52950	Strand	+
Start	99	End	6970
Name	OJ990914_18.9B24.C2.o1.np	Method	AAT/NAP
Start	2323	End	6970
GI	3281846	Score	250
Exons	2323..2361, 2498..2609, 2712..2776, 3028..3132, 4296..4405, 6951..6970		
GI Descrip.	(AJ006404) late elongated hypocotyl [Arabidopsis thaliana]		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2
Gene No.	52951	Strand	-
Start	5722	End	5829
Name	OJ990914_18.9B24.C2.o1.tc	Method	TBLASTX:Cress
Start	2482	End	2776
GI	none	Score	164
Exons	2482..2604, 2495..2608, 2707..2766, 2711..2776		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2
Gene No.	52951	Strand	-
Start	5722	End	5829
Name	OJ990914_18.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	2482	End	2778
GI	none	Score	159
Exons	2482..2604, 2495..2608, 2707..2778, 2711..2776		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2
Gene No.	52951	Strand	-
Start	5722	End	5829
Name	OJ990914_18.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	2495	End	2782
GI	none	Score	173
Exons	2495..2608, 2503..2604, 2707..2775, 2711..2782		

Seq. No.	25525	Seq. ID	OJ990914_18.9B24.C2
Gene No.	52951	Strand	-
Start	5722	End	5829
Name	OJ990914_18.9B24.C2.o2.np	Method	AAT/NAP
Start	5722	End	5829
GI	6721547	Score	104
Exons	5722..5829		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52952	Strand	+
Start	2606	End	11813
Name	OJ990914_18.9B24.C3.o1.gs	Method	GENSCAN
Start	2606	End	11510
GI	none	Score	.48
Exons	2606..2811, 5450..5523, 5568..6615, 6671..6970, 7017..7302,		

7408..7972, 8129..8378, 8421..8597, 8685..9446, 9564..9977,
10137..10315, 10427..11170, 11252..11510

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52952	Strand	+
Start	2606	End	11813
Name	OJ990914_18.9B24.C3.o1.gp	Method	AAT/GAP
Start	3890	End	4271
GI	uC-osflcyp033a04b1	Score	663
Exons	3890..4271		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52952	Strand	+
Start	2606	End	11813
Name	OJ990914_18.9B24.C3.o2.np	Method	AAT/NAP
Start	8694	End	11813
GI	5902445	Score	3113
Exons	8694..10532, 10572..11813		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52953	Strand	+
Start	27524	End	28761
Name	OJ990914_18.9B24.C3.o5.gs	Method	GENSCAN
Start	27524	End	28761
GI	none	Score	.72
Exons	27524..27689, 28278..28462, 28530..28651, 28725..28761		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52954	Strand	+
Start	29767	End	29895
Name	OJ990914_18.9B24.C3.o3.gp	Method	AAT/GAP
Start	29767	End	29895
GI	LIB3474-009-P1-K1-F11	Score	222
Exons	29767..29895		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52955	Strand	-
Start	1244	End	1328
Name	OJ990914_18.9B24.C3.o1.np	Method	AAT/NAP
Start	1244	End	1328
GI	6721547	Score	83
Exons	1244..1328		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52956	Strand	-
Start	11344	End	15810
Name	OJ990914_18.9B24.C3.o4.np	Method	AAT/NAP
Start	11344	End	15473
GI	6539586	Score	201
Exons	11344..11364, 14735..14939, 14991..15473		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52956	Strand	-
Start	11344	End	15810
Name	OJ990914_18.9B24.C3.o2.gs	Method	GENSCAN
Start	12458	End	15810
GI	none	Score	.77
Exons	12458..12945, 13043..13188, 13310..14071, 14142..14200, 14307..14450, 14518..14642, 14809..15008, 15342..15502, 15757..15810		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52956	Strand	-
Start	11344	End	15810
Name	OJ990914_18.9B24.C3.o3.np	Method	AAT/NAP
Start	13309	End	14918
GI	6721561	Score	1000
Exons	13309..14071, 14142..14200, 14271..14483, 14883..14918		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52957	Strand	-
Start	16269	End	17995
Name	OJ990914_18.9B24.C3.o5.np	Method	AAT/NAP
Start	16269	End	17995
GI	6721512	Score	101
Exons	16269..16412, 17783..17995		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52958	Strand	-
Start	18223	End	23369
Name	OJ990914_18.9B24.C3.o6.np	Method	AAT/NAP
Start	18223	End	23369
GI	2829910	Score	1391
Exons	18223..18375, 18471..19195, 19320..21291, 21788..21915, 22011..22097, 22199..22288, 23145..23239, 23315..23369		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o7.tw	Method	TBLASTX:Wheat
Start	7020	End	7409
GI	none	Score	240
Exons	7020..7409		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o4.tw	Method	TBLASTX:Wheat
Start	7992	End	13621

GI	none	Score	147
Exons	7992..8174, 8000..8173, 8211..8447, 8213..8329, 8217..8432, 8372..8437, 13500..13586, 13604..13621		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	8639	End	15137
GI	none	Score	573
Exons	8639..9094, 8640..9095, 15036..15137		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o4.ts	Method	TBLASTX:Soybean
Start	8679	End	9044
GI	none	Score	113
Exons	8679..8903, 8910..9044		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	8769	End	9125
GI	none	Score	431
Exons	8769..9125, 8823..9071, 8831..9124		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o4.tm	Method	TBLASTX:Maize
Start	9153	End	9536
GI	none	Score	334
Exons	9153..9536, 9320..9535		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o2.tw	Method	TBLASTX:Wheat
Start	9210	End	9634
GI	none	Score	459
Exons	9210..9632, 9210..9599, 9320..9634		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o2.ts	Method	TBLASTX:Soybean
Start	9264	End	9689
GI	none	Score	310
Exons	9264..9689, 9323..9448		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o6.tw	Method	TBLASTX:Wheat
Start	9780	End	10187

GI	none	Score	211
Exons	9780..10004, 9800..10006, 9822..10007, 10014..10187, 10043..10186, 10107..10187		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o5.ts	Method	TBLASTX:Soybean
Start	9903	End	10286
GI	none	Score	83
Exons	9903..10010, 10023..10286, 10166..10264		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o3.tm	Method	TBLASTX:Maize
Start	10689	End	10994
GI	none	Score	357
Exons	10689..10994, 10706..10993		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o5.tw	Method	TBLASTX:Wheat
Start	10689	End	11072
GI	none	Score	368
Exons	10689..11072, 10697..11071		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o3.tw	Method	TBLASTX:Wheat
Start	11196	End	11804
GI	none	Score	361
Exons	11196..11648, 11210..11296, 11345..11452, 11673..11804, 11678..11803		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o6.tm	Method	TBLASTX:Maize
Start	11520	End	11768
GI	none	Score	149
Exons	11520..11684, 11685..11768		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o3.ts	Method	TBLASTX:Soybean
Start	19671	End	19853
GI	none	Score	216
Exons	19671..19853		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o5.tm	Method	TBLASTX:Maize

Start	19686	End	19886
GI	none	Score	69
Exons	19686..19886, 19695..19832, 19810..19884		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o1.ts	Method	TBLASTX:Soybean
Start	19857	End	21014
GI	none	Score	182
Exons	19857..20351, 19858..20280, 19903..20040, 20040..20354, 20136..20345, 20385..20537, 20391..20591, 20490..20582, 20670..20900, 20676..20702, 20682..20858, 20706..20909, 20967..21014		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	19887	End	20963
GI	none	Score	82
Exons	19887..20090, 19897..20112, 19915..20097, 20010..20285, 20229..20354, 20376..20579, 20377..20610, 20379..20963, 20386..20640, 20845..20961		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	19893	End	21026
GI	none	Score	122
Exons	19893..20036, 19989..20423, 19990..20283, 20136..20417, 20391..20558, 20487..20603, 20490..20582, 20547..20585, 20670..20972, 20670..20855, 20811..20909, 20967..21026		

Seq. No.	25526	Seq. ID	OJ990914_18.9B24.C3
Gene No.	52959	Strand	-
Start	26668	End	26868
Name	OJ990914_18.9B24.C3.o2.gp	Method	AAT/GAP
Start	26668	End	26868
GI	2227_1.R1084	Score	305
Exons	26668..26868		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52960	Strand	+
Start	624	End	1521
Name	OJ990914_18.9B24.C4.o1.np	Method	AAT/NAP
Start	624	End	1521
GI	6721543	Score	97
Exons	624..752, 1405..1521		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52960	Strand	+
Start	624	End	1521

Name	OJ990914_18.9B24.C4.o1.gp	Method	AAT/GAP
Start	638	End	1043
GI	7406_1.R1084	Score	652
Exons	638..1043		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o1.gs	Method	GENSCAN
Start	554	End	7262
GI	none	Score	.45
Exons	554..716, 1298..1424, 1576..1778, 1783..1830, 1894..2025, 2116..2153, 2219..2401, 2494..2752, 2829..3127, 3171..3581, 3666..4002, 4108..4258, 4634..7262		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o2.gp	Method	AAT/GAP
Start	986	End	1439
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	986..1439		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o2.np	Method	AAT/NAP
Start	1544	End	6809
GI	5441880	Score	4650
Exons	1544..1778, 1894..2025, 2116..2139, 2176..2249, 2494..2752, 2829..3127, 3666..4002, 4108..4258, 4754..5069, 5328..5359, 5804..6809		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o3.gp	Method	AAT/GAP
Start	2502	End	3001
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	2502..2752, 2829..3001		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	5574	End	5954
GI	none	Score	79

Exons	5574..5750, 5604..5750, 5635..5754, 5748..5945, 5760..5954		
Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	5652	End	6248
GI	none	Score	137
Exons	5652..5723, 5787..6086, 5848..6069, 6120..6248, 6142..6240		
Seq. No.	25527	Seq. ID	OJ990914_18.9B24.C4
Gene No.	52961	Strand	-
Start	554	End	7262
Name	OJ990914_18.9B24.C4.o4.gp	Method	AAT/GAP
Start	5774	End	6205
GI	5701669	Score	805
Exons	5774..6205		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52962	Strand	+
Start	105	End	878
Name	OJ990914_18.9B24.C5.o1.gs	Method	GENSCAN
Start	105	End	878
GI	none	Score	.63
Exons	105..685, 734..878		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52963	Strand	+
Start	5125	End	5689
Name	OJ990914_18.9B24.C5.o1.np	Method	AAT/NAP
Start	5125	End	5433
GI	122106	Score	523
Exons	5125..5433		
GI Descrip.	HISTONE H4 gi|70771|pir||HSZM4 histone H4 - maize gi|81642|pir||S06904 histone H4 - Arabidopsis thaliana gi|2119028|pir||S60475 histone H4 - garden pea gi|21795|emb|CAA24924| (X00043) histone H4 [Triticum aestivum] gi|166740 (M17132) histone H4 [Arabidopsis thaliana] gi|166742 (M17133) histone H4 [Arabidopsis thaliana] gi|168499 (M36659) histone H4 (H4C13) [Zea mays]		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52963	Strand	+
Start	5125	End	5689
Name	OJ990914_18.9B24.C5.o2.gp	Method	AAT/GAP
Start	5161	End	5689
GI	666_4.R1084	Score	901
Exons	5161..5689		
GI Descrip.	'122106/sp|P02308|H4_WHEAT 1.0e-33 HISTONE H4 >gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4		

[Arabidopsis thaliana] >gi_168499 (M36659) histon'

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52964	Strand	+
Start	9213	End	9891
Name	OJ990914_18.9B24.C5.o3.gp	Method	AAT/GAP
Start	9213	End	9891
GI	none	Score	1250
Exons	9213..9891		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52965	Strand	+
Start	13398	End	14724
Name	OJ990914_18.9B24.C5.o3.gs	Method	GENSCAN
Start	13398	End	14724
GI	none	Score	.63
Exons	13398..13546, 13574..13662, 14252..14724		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52966	Strand	+
Start	17507	End	18850
Name	OJ990914_18.9B24.C5.o4.np	Method	AAT/NAP
Start	17507	End	18850
GI	5922628	Score	158
Exons	17507..17556, 18617..18850		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o2.gs	Method	GENSCAN
Start	1448	End	13131
GI	none	Score	.5
Exons	1448..1552, 1653..1799, 2573..2707, 3015..3390, 3737..3835, 4385..4513, 4562..4692, 5033..5128, 5182..5608, 7511..7606, 9236..9373, 9433..9593, 9706..9858, 9884..10053, 10104..10273, 10936..11393, 12892..13131		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o2.ts	Method	TBLASTX:Soybean
Start	1461	End	4506
GI	none	Score	100
Exons	1461..1553, 1463..1552, 1647..1757, 1653..1760, 1851..1919, 1851..1925, 2573..2710, 2574..2672, 3009..3176, 3027..3137, 3028..3174, 3246..3389, 3247..3402, 3730..3834, 3737..3841, 4387..4416, 4474..4506		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o3.tm	Method	TBLASTX:Maize
Start	1472	End	2704
GI	none	Score	132

Exons	1472..1552, 1476..1553, 1650..1757, 1651..1755, 1653..1760, 1657..1761, 1851..1940, 1851..1940, 1858..1941, 1862..1942, 2571..2702, 2572..2703, 2573..2704, 2574..2681		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o1.gp	Method	AAT/GAP
Start	2088	End	2417
GI	3107878	Score	656
Exons	2088..2417		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	5169	End	5433
GI	none	Score	410
Exons	5169..5432, 5188..5433		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	5169	End	5435
GI	none	Score	410
Exons	5169..5435, 5188..5433		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o1.tc	Method	TBLASTX:Cress
Start	5181	End	5433
GI	none	Score	410
Exons	5181..5432, 5188..5433		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	5187	End	5435
GI	none	Score	410
Exons	5187..5435, 5188..5433		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o4.tm	Method	TBLASTX:Maize
Start	9591	End	9913
GI	none	Score	67
Exons	9591..9626, 9591..9626, 9736..9912, 9743..9913		
Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o2.tw	Method	TBLASTX:Wheat
Start	10885	End	11162

GI	none	Score	238
Exons	10885..11103, 10906..11106, 10907..11110, 10917..11117, 11089..11157, 11106..11162, 11111..11158		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o2.np	Method	AAT/NAP
Start	10926	End	14834
GI	6598859	Score	634
Exons	10926..11393, 12869..13245, 13389..13485, 13540..13613, 14350..14834		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o2.tm	Method	TBLASTX:Maize
Start	11165	End	13180
GI	none	Score	269
Exons	11165..11242, 11166..11393, 11167..11397, 11167..11394, 12889..13164, 12891..12959, 12896..13180, 12898..13179		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o3.np	Method	AAT/NAP
Start	12872	End	17565
GI	3153821	Score	100
Exons	12872..12914, 14483..15054, 17535..17565		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	25528	Seq. ID	OJ990914_18.9B24.C5
Gene No.	52967	Strand	-
Start	1448	End	17565
Name	OJ990914_18.9B24.C5.o3.ts	Method	TBLASTX:Soybean
Start	12928	End	13209
GI	4286385	Score	137
Exons	12928..13209, 12968..13201		
GI Descrip.	1915974 8.0e-43 (U62329) fructokinase [Lycopersicon esculentum] >gi_2102693 (U64818) fructokinase [Lycopersicon esculentum]		

Seq. No.	25529	Seq. ID	OJ990914_18.9B24.C6
Gene No.	52968	Strand	+
Start	139	End	1635
Name	OJ990914_18.9B24.C6.o1.np	Method	AAT/NAP
Start	139	End	1397
GI	6686402	Score	309
Exons	139..803, 876..1397		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	25529	Seq. ID	OJ990914_18.9B24.C6
Gene No.	52968	Strand	+
Start	139	End	1635
Name	OJ990914_18.9B24.C6.o1.gs	Method	GENSCAN
Start	261	End	1635

GI	none	Score	.89
Exons	261..797, 876..1484, 1546..1635		

Seq. No.	25529	Seq. ID	OJ990914_18.9B24.C6
Gene No.	52969	Strand	+
Start	3542	End	5256
Name	OJ990914_18.9B24.C6.o2.np	Method	AAT/NAP
Start	3542	End	5256
GI	6907086	Score	805
Exons	3542..4322, 4383..4584, 4802..5256		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25529	Seq. ID	OJ990914_18.9B24.C6
Gene No.	52970	Strand	-
Start	3201	End	5026
Name	OJ990914_18.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	983	End	1403
GI	none	Score	236
Exons	983..1177, 993..1178, 1002..1181, 1197..1256, 1266..1403		

Seq. No.	25529	Seq. ID	OJ990914_18.9B24.C6
Gene No.	52970	Strand	-
Start	3201	End	5026
Name	OJ990914_18.9B24.C6.o2.gs	Method	GENSCAN
Start	3201	End	5026
GI	none	Score	.71
Exons	3201..3421, 3822..3986, 4078..4253, 4255..4324, 4639..4672, 4796..5026		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52971	Strand	+
Start	482	End	2367
Name	OJ990914_18.9B24.C7.o1.np	Method	AAT/NAP
Start	482	End	2176
GI	6686402	Score	802
Exons	482..632, 690..1482, 1552..1807, 1909..2176		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52971	Strand	+
Start	482	End	2367
Name	OJ990914_18.9B24.C7.o1.gs	Method	GENSCAN
Start	568	End	2367
GI	none	Score	.83
Exons	568..1069, 1155..1807, 1997..2126, 2350..2367		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52972	Strand	+
Start	3788	End	4864
Name	OJ990914_18.9B24.C7.o2.gs	Method	GENSCAN
Start	3788	End	4864
GI	none	Score	.94
Exons	3788..4864		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52972	Strand	+
Start	3788	End	4864

Name	OJ990914_18.9B24.C7.o2.np	Method	AAT/NAP
Start	3838	End	4849
GI	4406768	Score	608
Exons	3838..4187, 4224..4849		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52973	Strand	+
Start	13720	End	14162
Name	OJ990914_18.9B24.C7.o6.gs	Method	GENSCAN
Start	13720	End	14162
GI	none	Score	.94
Exons	13720..13931, 14005..14162		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52974	Strand	-
Start	6332	End	7039
Name	OJ990914_18.9B24.C7.o3.gs	Method	GENSCAN
Start	6332	End	7039
GI	none	Score	1
Exons	6332..7039		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52975	Strand	-
Start	7701	End	10317
Name	OJ990914_18.9B24.C7.o4.gs	Method	GENSCAN
Start	7701	End	10284
GI	none	Score	.89
Exons	7701..7799, 7952..8029, 8971..9135, 10153..10284		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52975	Strand	-
Start	7701	End	10317
Name	OJ990914_18.9B24.C7.o3.np	Method	AAT/NAP
Start	7710	End	8235
GI	4038034	Score	311
Exons	7710..7799, 7952..8029, 8128..8235		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52975	Strand	-
Start	7701	End	10317
Name	OJ990914_18.9B24.C7.o4.np	Method	AAT/NAP
Start	8111	End	10317
GI	4455287	Score	332
Exons	8111..8245, 8971..9135, 9225..9324, 9362..9452, 10153..10317		
GI Descrip.	(AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52975	Strand	-
Start	7701	End	10317
Name	OJ990914_18.9B24.C7.o1.gp	Method	AAT/GAP
Start	8934	End	9452
GI	LIB3433-060-P1-K1-D2	Score	544
Exons	8934..9135, 9225..9277, 9362..9452		
GI Descrip.	'4455287/emb|CAB36823.1| 4.0e-27 (AL035527) putative protein		

[Arabidopsis thaliana]'

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	770	End	1727
GI	none	Score	87
Exons	770..910, 938..1060, 1146..1481, 1157..1378, 1562..1639, 1563..1640, 1668..1697, 1697..1726, 1698..1727		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o2.ts	Method	TBLASTX:Soybean
Start	1128	End	1385
GI	none	Score	233
Exons	1128..1385, 1152..1268, 1154..1378		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o2.tc	Method	TBLASTX:Cress
Start	1227	End	1825
GI	none	Score	131
Exons	1227..1481, 1581..1610, 1668..1805, 1682..1825		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o1.tc	Method	TBLASTX:Cress
Start	3890	End	4684
GI	none	Score	123
Exons	3890..4129, 4009..4044, 4024..4092, 4124..4177, 4232..4447, 4259..4384, 4454..4684, 4456..4683		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o6.tm	Method	TBLASTX:Maize
Start	3949	End	4167
GI	none	Score	191
Exons	3949..4167, 3950..4165		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o1.tw	Method	TBLASTX:Wheat
Start	3956	End	14135
GI	none	Score	196
Exons	3956..4165, 3994..4164, 14082..14135		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o2.tm	Method	TBLASTX:Maize
Start	4270	End	4525

GI	none	Score	385
Exons	4270..4524, 4274..4525		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o3.tm	Method	TBLASTX:Maize
Start	6401	End	6628
GI	none	Score	67
Exons	6401..6628, 6423..6602, 6440..6625		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o4.tm	Method	TBLASTX:Maize
Start	7710	End	8572
GI	none	Score	93
Exons	7710..7814, 7949..8035, 7952..8029, 7954..8031, 8119..8172, 8125..8250, 8135..8251, 8218..8253, 8462..8572, 8462..8560		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o1.ts	Method	TBLASTX:Soybean
Start	7713	End	8509
GI	none	Score	84
Exons	7713..7814, 7925..8029, 7952..8035, 7953..8030, 7954..8031, 8069..8251, 8116..8250, 8462..8509		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o3.tc	Method	TBLASTX:Cress
Start	7713	End	9139
GI	none	Score	100
Exons	7713..7814, 7949..7996, 7997..8035, 8075..8251, 8116..8250, 8462..8584, 8462..8560, 8968..9135, 8978..9139		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o3.ts	Method	TBLASTX:Soybean
Start	8968	End	10245
GI	none	Score	106
Exons	8968..9138, 8971..9138, 9153..9284, 9348..9452, 9364..9444, 10150..10245, 10153..10230		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o5.tm	Method	TBLASTX:Maize
Start	8968	End	10245
GI	none	Score	129
Exons	8968..9138, 8975..9136, 9358..9450, 9361..9450, 9363..9452, 10150..10245, 10168..10239		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7

Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o5.gs	Method	GENSCAN
Start	12154	End	12781
GI	none	Score	.9
Exons	12154..12476, 12556..12631, 12728..12781		

Seq. No.	25530	Seq. ID	OJ990914_18.9B24.C7
Gene No.	52976	Strand	-
Start	12154	End	14135
Name	OJ990914_18.9B24.C7.o5.np	Method	AAT/NAP
Start	12157	End	13721
GI	3377812	Score	123
Exons	12157..12223, 12256..12476, 12556..12631, 13641..13721		
GI Descrip.	(AF076275) contains similarity to heavy-metal-associated domain containing proteins (Pfam: HMA.hm, score: 12.02) [Arabidopsis thaliana]		

Seq. No.	25531	Seq. ID	OJ990914_18.9B24.C8
Gene No.	52977	Strand	+
Start	155	End	12131
Name	OJ990914_18.9B24.C8.o1.gs	Method	GENSCAN
Start	155	End	12131
GI	none	Score	.54
Exons	155..215, 332..711, 1074..1142, 2386..2481, 4275..4475, 5470..5560, 5760..5970, 6496..6603, 7613..7836, 9016..9224, 10481..10685, 10731..10783, 11862..11904, 12007..12131		

Seq. No.	25532	Seq. ID	OJ990914_18.9B24.C9
Gene No.	52978	Strand	+
Start	1137	End	2763
Name	OJ990914_18.9B24.C9.o1.np	Method	AAT/NAP
Start	1137	End	2763
GI	6539588	Score	177
Exons	1137..1420, 2745..2763		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25533	Seq. ID	OJ990914_18.9B24.C12
Gene No.	52979	Strand	-
Start	307	End	416
Name	OJ990914_18.9B24.C12.o1.gs	Method	GENSCAN
Start	307	End	416
GI	none	Score	.51
Exons	307..416		

Seq. No.	25534	Seq. ID	OJ990914_18.9B24.C13
Gene No.	52980	Strand	+
Start	216	End	322
Name	OJ990914_18.9B24.C13.o1.gs	Method	GENSCAN
Start	216	End	322
GI	none	Score	.6
Exons	216..322		

Seq. No.	25535	Seq. ID	OJ990914_18.9B24.C14
Gene No.	52981	Strand	+
Start	1	End	689
Name	OJ990914_18.9B24.C14.o1.np	Method	AAT/NAP

Start	1	End	689
GI	6016874	Score	64
Exons	1..48, 336..689		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	25536	Seq. ID	OJ990914_18.9B24.C16
Gene No.	52982	Strand	+
Start	158	End	600
Name	OJ990914_18.9B24.C16.o1.tc	Method	TBLASTX:Cress
Start	155	End	595
GI	none	Score	294
Exons	155..436, 208..432, 527..595		

Seq. No.	25536	Seq. ID	OJ990914_18.9B24.C16
Gene No.	52982	Strand	+
Start	158	End	600
Name	OJ990914_18.9B24.C16.o1.tm	Method	TBLASTX:Maize
Start	155	End	600
GI	none	Score	387
Exons	155..436, 156..365, 157..432, 526..600, 527..595		

Seq. No.	25536	Seq. ID	OJ990914_18.9B24.C16
Gene No.	52982	Strand	+
Start	158	End	600
Name	OJ990914_18.9B24.C16.o1.ts	Method	TBLASTX:Soybean
Start	155	End	600
GI	none	Score	373
Exons	155..436, 157..432, 520..600, 523..585, 527..595		

Seq. No.	25536	Seq. ID	OJ990914_18.9B24.C16
Gene No.	52982	Strand	+
Start	158	End	600
Name	OJ990914_18.9B24.C16.o1.np	Method	AAT/NAP
Start	158	End	600
GI	2961358	Score	413
Exons	158..429, 526..600		
GI Descrip.	(AL022140) serine/threonine protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	25536	Seq. ID	OJ990914_18.9B24.C16
Gene No.	52982	Strand	+
Start	158	End	600
Name	OJ990914_18.9B24.C16.o1.tw	Method	TBLASTX:Wheat
Start	206	End	595
GI	none	Score	107
Exons	206..352, 377..436, 527..595		

Seq. No.	25537	Seq. ID	OJ990914_18.9B24.C20
Gene No.	52983	Strand	-
Start	1	End	480
Name	OJ990914_18.9B24.C20.o1.np	Method	AAT/NAP
Start	1	End	408
GI	4406768	Score	194
Exons	1..408		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis		

thaliana]

Seq. No.	25537	Seq. ID	OJ990914_18.9B24.C20
Gene No.	52983	Strand	-
Start	1	End	480
Name	OJ990914_18.9B24.C20.o1.gs	Method	GENSCAN
Start	33	End	458
GI	none	Score	.82
Exons	33..458		

Seq. No.	25537	Seq. ID	OJ990914_18.9B24.C20
Gene No.	52983	Strand	-
Start	1	End	480
Name	OJ990914_18.9B24.C20.o1.tc	Method	TBLASTX:Cress
Start	54	End	480
GI	none	Score	38
Exons	54..122, 138..347, 451..480		

Seq. No.	25537	Seq. ID	OJ990914_18.9B24.C20
Gene No.	52983	Strand	-
Start	1	End	480
Name	OJ990914_18.9B24.C20.o1.tm	Method	TBLASTX:Maize
Start	79	End	297
GI	none	Score	147
Exons	79..297, 81..296		

Seq. No.	25537	Seq. ID	OJ990914_18.9B24.C20
Gene No.	52983	Strand	-
Start	1	End	480
Name	OJ990914_18.9B24.C20.o1.tw	Method	TBLASTX:Wheat
Start	81	End	290
GI	none	Score	101
Exons	81..212, 81..290, 82..252		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52984	Strand	+
Start	134	End	360
Name	OJ990304_02.9B12.C1.o1.gs	Method	GENSCAN
Start	134	End	360
GI	none	Score	.87
Exons	134..360		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52985	Strand	+
Start	435	End	767
Name	OJ990304_02.9B12.C1.o1.gp	Method	AAT/GAP
Start	435	End	767
GI	3107039	Score	641
Exons	435..767		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52986	Strand	+
Start	3484	End	10258
Name	OJ990304_02.9B12.C1.o2.gs	Method	GENSCAN
Start	3484	End	10258
GI	none	Score	.63
Exons	3484..3519, 4259..4449, 6506..6609, 7488..7750, 7805..8407,		

8437..8553, 8645..9023, 9036..10258

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52986	Strand	+
Start	3484	End	10258
Name	OJ990304_02.9B12.C1.o1.np	Method	AAT/NAP
Start	4828	End	10136
GI	531389	Score	1318
Exons	4828..4850, 5495..5536, 7775..8081, 8432..10136		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52987	Strand	+
Start	11121	End	11631
Name	OJ990304_02.9B12.C1.o3.gs	Method	GENSCAN
Start	11121	End	11631
GI	none	Score	.96
Exons	11121..11134, 11178..11631		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o3.ts	Method	TBLASTX:Soybean
Start	8600	End	9079
GI	5509260	Score	347
Exons	8600..9079, 8605..9009		
GI Descrip.	-		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o5.tm	Method	TBLASTX:Maize
Start	8635	End	8884
GI	none	Score	265
Exons	8635..8871, 8636..8884, 8639..8884		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o2.tc	Method	TBLASTX:Cress
Start	8699	End	8974
GI	none	Score	256
Exons	8699..8974, 8713..8946		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o2.tw	Method	TBLASTX:Wheat
Start	8755	End	9259
GI	none	Score	233
Exons	8755..8868, 8756..9100, 8914..9075, 9092..9259		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o2.tm	Method	TBLASTX:Maize

Start	8888	End	9298
GI	none	Score	434
Exons	8888..9298, 8888..9130, 8911..9288, 9209..9298		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o4.tc	Method	TBLASTX:Cress
Start	9095	End	9430
GI	none	Score	44
Exons	9095..9133, 9161..9430		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	9262	End	9685
GI	none	Score	156
Exons	9262..9378, 9263..9439, 9442..9684, 9443..9685		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	9299	End	9757
GI	none	Score	460
Exons	9299..9757, 9299..9595, 9457..9756		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o3.tc	Method	TBLASTX:Cress
Start	9443	End	10087
GI	none	Score	98
Exons	9443..9628, 9737..9865, 9872..10087, 9892..10059		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	9464	End	10132
GI	none	Score	345
Exons	9464..9856, 9469..9582, 9661..9987, 9887..10132		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o4.tm	Method	TBLASTX:Maize
Start	9758	End	10130
GI	none	Score	326
Exons	9758..10066, 9763..9855, 9788..9940, 9877..10068, 10074..10130		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o4.tw	Method	TBLASTX:Wheat
Start	9922	End	10129

GI	none	Score	185
Exons	9922..10101, 9926..10129		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o2.np	Method	AAT/NAP
Start	18095	End	20807
GI	2642435	Score	380
Exons	18095..18574, 20788..20807		
GI Descrip.	(AC002391) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o1.tc	Method	TBLASTX:Cress
Start	18125	End	18430
GI	none	Score	428
Exons	18125..18430, 18127..18423		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o3.tm	Method	TBLASTX:Maize
Start	18125	End	18442
GI	none	Score	429
Exons	18125..18442, 18127..18441		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o2.ts	Method	TBLASTX:Soybean
Start	18125	End	18430
GI	none	Score	422
Exons	18125..18430, 18127..18417		

Seq. No.	25538	Seq. ID	OJ990304_02.9B12.C1
Gene No.	52988	Strand	+
Start	18095	End	20807
Name	OJ990304_02.9B12.C1.o3.tw	Method	TBLASTX:Wheat
Start	18127	End	18430
GI	none	Score	69
Exons	18127..18201, 18131..18211, 18211..18414, 18230..18430		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52989	Strand	+
Start	12759	End	13422
Name	OJ990304_02.9B12.C2.o2.np	Method	AAT/NAP
Start	12717	End	13064
GI	5430752	Score	55
Exons	12717..13064		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52989	Strand	+
Start	12759	End	13422

Name	OJ990304_02.9B12.C2.o2.gs	Method	GENSCAN
Start	12759	End	13422
GI	none	Score	.94
Exons	12759..12916, 12930..13422		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52990	Strand	-
Start	2275	End	11644
Name	OJ990304_02.9B12.C2.o1.gp	Method	AAT/GAP
Start	1923	End	2358
GI	3762382	Score	763
Exons	1923..2358		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52990	Strand	-
Start	2275	End	11644
Name	OJ990304_02.9B12.C2.o1.gs	Method	GENSCAN
Start	2275	End	11644
GI	none	Score	.81
Exons	2275..2909, 3077..3272, 5810..5867, 5948..6018, 6370..6444, 7297..7848, 8073..8138, 8235..8368, 8407..8460, 8539..8633, 8702..9439, 9594..9770, 10032..10330, 10713..11070, 11247..11644		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52990	Strand	-
Start	2275	End	11644
Name	OJ990304_02.9B12.C2.o1.np	Method	AAT/NAP
Start	2278	End	11644
GI	4914403	Score	858
Exons	2278..2720, 2760..2937, 3069..3262, 5791..5867, 5948..6018, 6370..6444, 7297..7668, 7744..7848, 8235..8314, 8392..8454, 8539..8633, 8702..9433, 9582..9780, 10039..10330, 10719..10965, 11247..11644		
GI Descrip.	(AL050352) putative protein [Arabidopsis thaliana]		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52990	Strand	-
Start	2275	End	11644
Name	OJ990304_02.9B12.C2.o2.gp	Method	AAT/GAP
Start	3213	End	7497
GI	3762381	Score	815
Exons	3213..3272, 5810..5867, 5948..6018, 6370..6444, 7297..7497		
GI Descrip.	4914403/emb|CAB43654.1| 2.0e-09 (AL050352) putative protein [Arabidopsis thaliana]		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52991	Strand	-
Start	12901	End	13471
Name	OJ990304_02.9B12.C2.o3.np	Method	AAT/NAP
Start	12901	End	13471
GI	6523547	Score	115
Exons	12901..12983, 13050..13471		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52992	Strand	-

Start	14288	End	14398
Name	OJ990304_02.9B12.C2.o1.tw	Method	TBLASTX:Wheat
Start	3105	End	3262
GI	none	Score	167
Exons	3105..3260, 3109..3258, 3110..3262		

Seq. No.	25539	Seq. ID	OJ990304_02.9B12.C2
Gene No.	52992	Strand	-
Start	14288	End	14398
Name	OJ990304_02.9B12.C2.o3.gs	Method	GENSCAN
Start	14288	End	14398
GI	none	Score	.49
Exons	14288..14398		

Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52993	Strand	+
Start	1380	End	3142
Name	OJ990304_02.9B12.C3.o1.gs	Method	GENSCAN
Start	1380	End	3142
GI	none	Score	.79
Exons	1380..1434, 2743..2835, 3000..3142		

Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52994	Strand	-
Start	2897	End	3351
Name	OJ990304_02.9B12.C3.o1.gp	Method	AAT/GAP
Start	2897	End	3351
GI	39841_1.R1084	Score	873
Exons	2897..3351		
GI Descrip.	'4914403/emb|CAB43654.1| 2.0e-09 (AL050352) putative protein [Arabidopsis thaliana]'		

Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o2.tw	Method	TBLASTX:Wheat
Start	3205	End	4845
GI	none	Score	73
Exons	3205..3285, 3206..3286, 3207..3284, 3208..3291, 3331..3525, 3332..3523, 3393..3524, 3406..3525, 4768..4845, 4780..4845		

Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	3286	End	5425
GI	none	Score	41
Exons	3286..3525, 3305..3373, 3392..3523, 3406..3525, 4768..4890, 4771..4887, 4772..4897, 5076..5243, 5077..5262, 5087..5233, 5348..5425		

Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o1.np	Method	AAT/NAP
Start	3292	End	5524
GI	1732511	Score	552

Exons	3292..3524, 4770..4895, 5083..5234, 5349..5524		
GI Descrip.	(U62742) Ran binding protein 1 homolog [Arabidopsis thaliana]		
Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o2.gs	Method	GENSCAN
Start	3316	End	5758
GI	none	Score	.97
Exons	3316..3524, 4770..4895, 5083..5291, 5349..5758		
Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	3319	End	5422
GI	none	Score	73
Exons	3319..3531, 4768..4887, 4772..4888, 5079..5264, 5087..5248, 5348..5422		
Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	3349	End	5425
GI	none	Score	70
Exons	3349..3465, 4768..4890, 4780..4896, 5076..5264, 5087..5248, 5348..5425		
Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o2.gp	Method	AAT/GAP
Start	3395	End	5613
GI	19849_1.R1084	Score	1223
Exons	3395..3524, 4770..4895, 5083..5234, 5349..5613		
GI Descrip.	'1732511 9.0e-57 (U62742) Ran binding protein 1 homolog [Arabidopsis thaliana]'		
Seq. No.	25540	Seq. ID	OJ990304_02.9B12.C3
Gene No.	52995	Strand	-
Start	3316	End	5758
Name	OJ990304_02.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	4846	End	5425
GI	none	Score	77
Exons	4846..4890, 4847..4888, 5085..5237, 5086..5250, 5087..5233, 5348..5425		
Seq. No.	25541	Seq. ID	OJ990304_02.9B12.C5
Gene No.	52996	Strand	-
Start	1145	End	2517
Name	OJ990304_02.9B12.C5.o1.gp	Method	AAT/GAP
Start	994	End	2317
GI	791_1.R1084	Score	1539
Exons	994..1212, 1319..1501, 1715..1806, 1882..2018, 2100..2317		
GI Descrip.	'2511541 0.0e+00 (AF020787) DNA-binding protein GBP16 [Oryza sativa]'		

Seq. No.	25541	Seq. ID	OJ990304_02.9B12.C5
Gene No.	52996	Strand	-
Start	1145	End	2517
Name	OJ990304_02.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	1015	End	2318
GI	none	Score	74
Exons	1015..1125, 1016..1129, 1020..1127, 1021..1137, 1130..1210, 1148..1213, 1152..1214, 1359..1502, 1369..1503, 1371..1502, 1713..1808, 1714..1809, 1715..1816, 1869..1973, 1871..2020, 1882..2028, 1882..2019, 1884..2027, 2091..2318, 2111..2311		

Seq. No.	25541	Seq. ID	OJ990304_02.9B12.C5
Gene No.	52996	Strand	-
Start	1145	End	2517
Name	OJ990304_02.9B12.C5.o1.gs	Method	GENSCAN
Start	1145	End	2315
GI	none	Score	.92
Exons	1145..1212, 1319..1501, 1715..1806, 1936..2018, 2100..2315		

Seq. No.	25541	Seq. ID	OJ990304_02.9B12.C5
Gene No.	52996	Strand	-
Start	1145	End	2517
Name	OJ990304_02.9B12.C5.o1.np	Method	AAT/NAP
Start	1148	End	2517
GI	2511541	Score	980
Exons	1148..1212, 1319..1501, 1715..1806, 1882..2018, 2100..2315, 2427..2517		
GI Descrip.	(AF020787) DNA-binding protein GBP16 [Oryza sativa]		

Seq. No.	25541	Seq. ID	OJ990304_02.9B12.C5
Gene No.	52996	Strand	-
Start	1145	End	2517
Name	OJ990304_02.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	1392	End	2320
GI	none	Score	87
Exons	1392..1502, 1393..1503, 1704..1808, 1713..1808, 1714..1809, 1732..1824, 1881..1976, 1882..2028, 1882..2010, 1884..2027, 2091..2318, 2095..2316, 2111..2320		

Seq. No.	25541	Seq. ID	OJ990304_02.9B12.C5
Gene No.	52996	Strand	-
Start	1145	End	2517
Name	OJ990304_02.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	1416	End	2318
GI	none	Score	72
Exons	1416..1502, 1417..1503, 1704..1808, 1714..1809, 1876..2028, 1884..2027, 2091..2318, 2104..2316		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52997	Strand	+
Start	1293	End	4233
Name	OJ990304_02.9B12.C6.o1.gs	Method	GENSCAN
Start	1293	End	4233
GI	none	Score	.62
Exons	1293..1392, 1404..1719, 1816..1915, 2443..2490, 2516..2597, 2778..2982, 3047..3225, 3440..3574, 3579..3607, 3682..3938,		

4167..4233

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52998	Strand	-
Start	1	End	1954
Name	OJ990304_02.9B12.C6.o1.gp	Method	AAT/GAP
Start	1	End	1740
GI	791_1.R1084	Score	834
Exons	1..28, 105..254, 366..450, 1417..1513, 1630..1740		
GI Descrip.	'2511541 0.0e+00 (AF020787) DNA-binding protein GBP16 [Oryza sativa]'		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52998	Strand	-
Start	1	End	1954
Name	OJ990304_02.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	1513
GI	2511541	Score	530
Exons	1..28, 105..254, 366..450, 1417..1513		
GI Descrip.	(AF020787) DNA-binding protein GBP16 [Oryza sativa]		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52998	Strand	-
Start	1	End	1954
Name	OJ990304_02.9B12.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	1519
GI	none	Score	44
Exons	1..27, 6..26, 7..27, 95..253, 104..253, 105..254, 362..424, 365..448, 366..449, 1418..1519		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52998	Strand	-
Start	1	End	1954
Name	OJ990304_02.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	1517
GI	none	Score	39
Exons	1..27, 3..26, 5..34, 100..252, 104..253, 105..254, 106..255, 349..438, 365..451, 366..449, 1415..1513, 1464..1517		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52998	Strand	-
Start	1	End	1954
Name	OJ990304_02.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1501
GI	none	Score	154
Exons	1..27, 101..253, 104..253, 105..254, 115..255, 365..448, 366..449, 1418..1501		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52998	Strand	-
Start	1	End	1954
Name	OJ990304_02.9B12.C6.o2.np	Method	AAT/NAP
Start	1417	End	1954
GI	5917666	Score	61
Exons	1417..1954		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	25542	Seq. ID	OJ990304_02.9B12.C6
Gene No.	52999	Strand	
Start	3853	End	4164
Name	OJ990304_02.9B12.C6.o2.tm	Method	TBLASTX:Maize
Start	3853	End	4164
GI	none	Score	63
Exons	3853..3948, 3858..3896, 3940..4014, 3942..4142, 3943..4014, 4013..4078, 4057..4164		

Seq. No.	25543	Seq. ID	OJ990304_02.9B12.C7
Gene No.	53000	Strand	+
Start	373	End	822
Name	OJ990304_02.9B12.C7.o1.gs	Method	GENSCAN
Start	373	End	822
GI	none	Score	.79
Exons	373..414, 653..822		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53001	Strand	+
Start	2932	End	6076
Name	OJ990304_02.9B12.C9.o2.gs	Method	GENSCAN
Start	2932	End	6076
GI	none	Score	.78
Exons	2932..2998, 3867..4132, 4262..4799, 4917..4997, 5037..5107, 5153..6076		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53002	Strand	+
Start	6684	End	7765
Name	OJ990304_02.9B12.C9.o3.gs	Method	GENSCAN
Start	6684	End	7765
GI	none	Score	.66
Exons	6684..6924, 7662..7765		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53003	Strand	+
Start	26330	End	26818
Name	OJ990304_02.9B12.C9.o1.gp	Method	AAT/GAP
Start	26330	End	26772
GI	68945_1.R1084	Score	635
Exons	26330..26550, 26658..26772		
GI Descrip.	'1169521/sp|P46520|EMP1_ORYSA 1.0e-30 EMBRYONIC ABUNDANT PROTEIN 1 >gi_82464_pir__S22483 embryonic abundant protein emp1 - rice >gi_20200_emb_CAA44836_ (X63126) Emp1 [Oryza sativa] >gi_733119 (U22102) similar to embryonic abundant protein emp1, PIR Accession Number S22483; similar to the product encoded by the wheat Em gene, Swiss-Prot Accession Number P22701 [Oryza sativa]'		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53003	Strand	+
Start	26330	End	26818
Name	OJ990304_02.9B12.C9.o2.np	Method	AAT/NAP
Start	26427	End	26818
GI	1169521	Score	453
Exons	26427..26550, 26658..26818		
GI Descrip.	EMBRYONIC ABUNDANT PROTEIN 1 gi|82464|pir||S22483 embryonic		

abundant protein emp1 - rice gi|20200|emb|CAA44836| (X63126) Emp1 [Oryza sativa] gi|733119 (U22102) similar to embryonic abundant protein emp1, PIR Accession Number S22483; similar to the product encoded by the wheat Em gene, Swiss-Prot Accession Number P22701 [Oryza sativa]

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53004	Strand	-
Start	86	End	1672
Name	OJ990304_02.9B12.C9.o1.gs	Method	GENSCAN
Start	86	End	1672
GI	none	Score	.65
Exons	86..209, 793..919, 1584..1672		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53005	Strand	-
Start	13200	End	19446
Name	OJ990304_02.9B12.C9.o1.np	Method	AAT/NAP
Start	13200	End	19446
GI	5091513	Score	1230
Exons	13200..13398, 13551..13712, 14600..15553, 15972..16891, 19403..19446		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	4085	End	4513
GI	none	Score	58
Exons	4085..4201, 4217..4432, 4406..4513		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o2.tc	Method	TBLASTX:Cress
Start	4232	End	4540
GI	none	Score	194
Exons	4232..4540		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o2.tw	Method	TBLASTX:Wheat
Start	5174	End	5539
GI	none	Score	105
Exons	5174..5317, 5363..5539, 5431..5538		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	26421	End	26797
GI	none	Score	156
Exons	26421..26573, 26453..26551, 26656..26733, 26657..26782, 26662..26742, 26663..26797		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	26442	End	26797
GI	none	Score	152
Exons	26442..26573, 26459..26554, 26656..26733, 26657..26764, 26663..26797, 26668..26742		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o1.tc	Method	TBLASTX:Cress
Start	26445	End	26797
GI	none	Score	134
Exons	26445..26573, 26462..26554, 26656..26742, 26657..26797		

Seq. No.	25544	Seq. ID	OJ990304_02.9B12.C9
Gene No.	53006	Strand	-
Start	27080	End	27238
Name	OJ990304_02.9B12.C9.o2.gp	Method	AAT/GAP
Start	27080	End	27238
GI	5771121	Score	302
Exons	27080..27238		
GI Descrip.	20199/emb|X63126|OSEMP1G 3.0e-80 O.sativa Emp1 gene		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53007	Strand	+
Start	429	End	1664
Name	OJ990304_02.9B12.C10.o1.gs	Method	GENSCAN
Start	429	End	1664
GI	none	Score	.74
Exons	429..480, 1075..1163, 1172..1482, 1544..1664		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53008	Strand	-
Start	1	End	153
Name	OJ990304_02.9B12.C10.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	5771121	Score	278
Exons	1..153		
GI Descrip.	20199/emb|X63126|OSEMP1G 3.0e-80 O.sativa Emp1 gene		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53009	Strand	-
Start	911	End	7865
Name	OJ990304_02.9B12.C10.o2.gp	Method	AAT/GAP
Start	911	End	3389
GI	2515_1.R1084	Score	1584
Exons	911..1467, 1599..1646, 2232..2308, 3007..3088, 3180..3242, 3321..3389		
GI Descrip.	'2129675/pir||S60222 2.0e-60 probable chlorophyll synthetase G4 - Arabidopsis thaliana >gi_972938 (U19382) putative chlorophyll synthetase [Arabidopsis thaliana] >gi_3068709 (AF049236) putative chlorophyll synthetase [Arabidopsis thaliana]'		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10

Gene No.	53009	Strand	-
Start	911	End	7865
Name	OJ990304_02.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	1320	End	6358
GI	none	Score	102
Exons	1320..1376, 1396..1485, 1397..1468, 1593..1628, 1599..1649, 1603..1647, 2166..2300, 2195..2362, 2223..2312, 2234..2347, 3005..3088, 3005..3091, 3006..3092, 3007..3093, 3171..3242, 3180..3242, 3181..3243, 3318..3395, 3319..3396, 3494..3559, 3494..3559, 3496..3561, 3675..3761, 3676..3762, 3679..3762, 3847..3921, 3851..3907, 3855..3923, 3856..3921, 4455..4544, 4456..4545, 4456..4545, 4457..4546, 4676..4762, 4676..4765, 4677..4766, 5268..5357, 5268..5357, 5269..5358, 6131..6187, 6136..6186, 6307..6357, 6317..6358		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53009	Strand	-
Start	911	End	7865
Name	OJ990304_02.9B12.C10.o1.np	Method	AAT/NAP
Start	1408	End	7865
GI	2129675	Score	1122
Exons	1408..1467, 1599..1646, 2232..2308, 3007..3088, 3180..3242, 3321..3396, 3497..3558, 3678..3761, 3855..3920, 4458..4544, 4676..4761, 5270..5357, 6136..6216, 7815..7865		
GI Descrip.	probable chlorophyll synthetase G4 - Arabidopsis thaliana gi|972938 (U19382) putative chlorophyll synthetase [Arabidopsis thaliana] gi|3068709|gb|AAC14409.1| (AF049236) putative chlorophyll synthetase [Arabidopsis thaliana]		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53009	Strand	-
Start	911	End	7865
Name	OJ990304_02.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	3054	End	4727
GI	none	Score	54
Exons	3054..3092, 3056..3091, 3180..3242, 3181..3243, 3318..3395, 3322..3396, 3494..3559, 3494..3559, 3496..3564, 3496..3561, 3675..3761, 3676..3762, 3847..3921, 3856..3921, 4455..4544, 4456..4545, 4676..4726, 4676..4726, 4677..4727		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53009	Strand	-
Start	911	End	7865
Name	OJ990304_02.9B12.C10.o2.gs	Method	GENSCAN
Start	3156	End	6682
GI	none	Score	.76
Exons	3156..3242, 3855..4037, 4458..4544, 4676..4761, 5993..6086, 6136..6221, 6309..6356, 6607..6682		

Seq. No.	25545	Seq. ID	OJ990304_02.9B12.C10
Gene No.	53009	Strand	-
Start	911	End	7865
Name	OJ990304_02.9B12.C10.o3.gp	Method	AAT/GAP
Start	3692	End	4568
GI	702348	Score	454
Exons	3692..3761, 3855..3920, 4458..4568		
GI Descrip.	2129675/pir||S60222 2.0e-26 probable chlorophyll synthetase G4 -		

Arabidopsis thaliana >gi_972938 (U19382) putative chlorophyll synthetase [Arabidopsis thaliana] >gi_3068709 (AF049236) putative chlorophyll synthetase [Arabidopsis thaliana]

Seq. No.	25546	Seq. ID	OJ990304_02.9B12.C11
Gene No.	53010	Strand	+
Start	828	End	1298
Name	OJ990304_02.9B12.C11.o1.gs	Method	GENSCAN
Start	828	End	1298
GI	none	Score	.77
Exons	828..892, 1142..1298		

Seq. No.	25546	Seq. ID	OJ990304_02.9B12.C11
Gene No.	53011	Strand	-
Start	1482	End	1607
Name	OJ990304_02.9B12.C11.o2.gs	Method	GENSCAN
Start	1482	End	1607
GI	none	Score	.8
Exons	1482..1607		

Seq. No.	25547	Seq. ID	OJ990304_02.9B12.C14
Gene No.	53012	Strand	+
Start	499	End	558
Name	OJ990304_02.9B12.C14.o1.gs	Method	GENSCAN
Start	499	End	558
GI	none	Score	.69
Exons	499..558		

Seq. No.	25548	Seq. ID	OJ990304_02.9B12.C15
Gene No.	53013	Strand	+
Start	125	End	246
Name	OJ990304_02.9B12.C15.o1.gs	Method	GENSCAN
Start	125	End	246
GI	none	Score	.63
Exons	125..246		

Seq. No.	25549	Seq. ID	OJ990304_02.9B12.C17
Gene No.	53014	Strand	+
Start	88	End	476
Name	OJ990304_02.9B12.C17.o1.gs	Method	GENSCAN
Start	88	End	476
GI	none	Score	.55
Exons	88..95, 423..476		

Seq. No.	25550	Seq. ID	OJ990304_02.9B12.C19
Gene No.	53015	Strand	-
Start	30	End	619
Name	OJ990304_02.9B12.C19.o1.np	Method	AAT/NAP
Start	30	End	619
GI	2129675	Score	69
Exons	30..229, 584..619		
GI Descrip.	probable chlorophyll synthetase G4 - Arabidopsis thaliana gi|972938 (U19382) putative chlorophyll synthetase [Arabidopsis thaliana] gi|3068709|gb|AAC14409.1| (AF049236) putative chlorophyll synthetase [Arabidopsis thaliana]		

Seq. No.	25550	Seq. ID	OJ990304_02.9B12.C19

Gene No.	53015	Strand	-
Start	30	End	619
Name	OJ990304_02.9B12.C19.o1.gp	Method	AAT/GAP
Start	138	End	239
GI	2515_1.R1084	Score	118
Exons	138..239		
GI Descrip.	'2129675/pir||S60222 2.0e-60 probable chlorophyll synthetase G4 - Arabidopsis thaliana >gi_972938 (U19382) putative chlorophyll synthetase [Arabidopsis thaliana] >gi_3068709 (AF049236) putative chlorophyll synthetase [Arabidopsis thaliana]'		

Seq. No.	25551	Seq. ID	OJ990304_02.9B12.C20
Gene No.	53016	Strand	+
Start	105	End	452
Name	OJ990304_02.9B12.C20.o1.gs	Method	GENSCAN
Start	105	End	452
GI	none	Score	.95
Exons	105..452		

Seq. No.	25551	Seq. ID	OJ990304_02.9B12.C20
Gene No.	53016	Strand	+
Start	105	End	452
Name	OJ990304_02.9B12.C20.o1.gp	Method	AAT/GAP
Start	252	End	452
GI	3762381	Score	374
Exons	252..452		
GI Descrip.	4914403/emb|CAB43654.1| 2.0e-09 (AL050352) putative protein [Arabidopsis thaliana]		

Seq. No.	25552	Seq. ID	OJ990304_02.9B12.C22
Gene No.	53017	Strand	-
Start	220	End	583
Name	OJ990304_02.9B12.C22.o1.gs	Method	GENSCAN
Start	220	End	583
GI	none	Score	.47
Exons	220..280, 468..583		

Seq. No.	25553	Seq. ID	OJ990304_02.9B12.C25
Gene No.	53018	Strand	+
Start	517	End	653
Name	OJ990304_02.9B12.C25.o1.gs	Method	GENSCAN
Start	517	End	653
GI	none	Score	.59
Exons	517..653		

Seq. No.	25554	Seq. ID	OJ990414_07.9B12.C3
Gene No.	53019	Strand	-
Start	49	End	671
Name	OJ990414_07.9B12.C3.o1.gs	Method	GENSCAN
Start	49	End	671
GI	none	Score	.57
Exons	49..105, 392..671		

Seq. No.	25555	Seq. ID	OJ990414_07.9B12.C5
Gene No.	53020	Strand	-
Start	1	End	447
Name	OJ990414_07.9B12.C5.o1.np	Method	AAT/NAP

Start	1	End	447
GI	5732064	Score	186
Exons	1..447		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		

Seq. No.	25555	Seq. ID	OJ990414_07.9B12.C5
Gene No.	53020	Strand	-
Start	1	End	447
Name	OJ990414_07.9B12.C5.o1.tw	Method	TBLASTX:Wheat
Start	3	End	175
GI	none	Score	148
Exons	3..161, 4..165, 59..175		

Seq. No.	25555	Seq. ID	OJ990414_07.9B12.C5
Gene No.	53020	Strand	-
Start	1	End	447
Name	OJ990414_07.9B12.C5.o1.gs	Method	GENSCAN
Start	84	End	354
GI	none	Score	.72
Exons	84..354		

Seq. No.	25555	Seq. ID	OJ990414_07.9B12.C5
Gene No.	53020	Strand	-
Start	1	End	447
Name	OJ990414_07.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	129	End	374
GI	none	Score	156
Exons	129..347, 129..374, 130..357		

Seq. No.	25556	Seq. ID	OJ990414_07.9B12.C6
Gene No.	53021	Strand	+
Start	122	End	2969
Name	OJ990414_07.9B12.C6.o1.gs	Method	GENSCAN
Start	122	End	2969
GI	none	Score	.42
Exons	122..341, 437..527, 984..1151, 2477..2969		

Seq. No.	25556	Seq. ID	OJ990414_07.9B12.C6
Gene No.	53022	Strand	-
Start	2502	End	2911
Name	OJ990414_07.9B12.C6.o1.gp	Method	AAT/GAP
Start	2502	End	2911
GI	none	Score	789
Exons	2502..2911		

Seq. No.	25557	Seq. ID	OJ990414_07.9B12.C7
Gene No.	53023	Strand	+
Start	72	End	291
Name	OJ990414_07.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	4	End	291
GI	none	Score	312
Exons	4..291, 16..54, 36..290		

Seq. No.	25557	Seq. ID	OJ990414_07.9B12.C7
Gene No.	53023	Strand	+
Start	72	End	291

Name	OJ990414_07.9B12.C7.o1.gs	Method	GENSCAN
Start	72	End	291
GI	none	Score	.45
Exons	72..291		

Seq. No.	25557	Seq. ID	OJ990414_07.9B12.C7
Gene No.	53023	Strand	+
Start	72	End	291
Name	OJ990414_07.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	150	End	287
GI	none	Score	236
Exons	150..287, 160..285		

Seq. No.	25558	Seq. ID	OJ990414_07.9B12.C8
Gene No.	53024	Strand	+
Start	1	End	1246
Name	OJ990414_07.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	5852089	Score	454
Exons	1..64, 116..260, 539..748, 1169..1246		
GI Descrip.	(AL117264) zwh12.1 [Oryza sativa]		

Seq. No.	25558	Seq. ID	OJ990414_07.9B12.C8
Gene No.	53024	Strand	+
Start	1	End	1246
Name	OJ990414_07.9B12.C8.o1.gs	Method	GENSCAN
Start	116	End	968
GI	none	Score	.61
Exons	116..260, 539..710, 918..968		

Seq. No.	25558	Seq. ID	OJ990414_07.9B12.C8
Gene No.	53025	Strand	-
Start	620	End	1062
Name	OJ990414_07.9B12.C8.o1.tc	Method	TBLASTX:Cress
Start	97	End	271
GI	none	Score	244
Exons	97..222, 98..271, 113..256		

Seq. No.	25558	Seq. ID	OJ990414_07.9B12.C8
Gene No.	53025	Strand	-
Start	620	End	1062
Name	OJ990414_07.9B12.C8.o1.ts	Method	TBLASTX:Soybean
Start	110	End	898
GI	none	Score	237
Exons	110..280, 113..262, 521..742, 872..898	537..734, 538..756, 551..748,	

Seq. No.	25558	Seq. ID	OJ990414_07.9B12.C8
Gene No.	53025	Strand	-
Start	620	End	1062
Name	OJ990414_07.9B12.C8.o1.tm	Method	TBLASTX:Maize
Start	117	End	942
GI	none	Score	133
Exons	117..269, 122..262, 123..269, 537..788, 538..879, 874..942	125..280, 522..848, 536..853,	

Seq. No.	25558	Seq. ID	OJ990414_07.9B12.C8

Gene No.	53025	Strand	-
Start	620	End	1062
Name	OJ990414_07.9B12.C8.o1.gp	Method	AAT/GAP
Start	620	End	1062
GI	55796_1.R1084	Score	878
Exons	620..1062		
GI Descrip.	'5852089/emb|CAB55396.1| 1.0e-15 (AL117264) zwh12.1 [Oryza sativa]'		

Seq. No.	25559	Seq. ID	OJ990414_07.9B12.C10
Gene No.	53026	Strand	+
Start	275	End	409
Name	OJ990414_07.9B12.C10.o1.gs	Method	GENSCAN
Start	275	End	409
GI	none	Score	.71
Exons	275..409		

Seq. No.	25560	Seq. ID	OJ990414_07.9B12.C11
Gene No.	53027	Strand	+
Start	139	End	299
Name	OJ990414_07.9B12.C11.o1.gs	Method	GENSCAN
Start	139	End	299
GI	none	Score	.89
Exons	139..299		

Seq. No.	25561	Seq. ID	OJ990414_07.9B12.C12
Gene No.	53028	Strand	-
Start	1	End	141
Name	OJ990414_07.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	141
GI	2119980	Score	229
Exons	1..141		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	25562	Seq. ID	OJ990414_07.9B12.C13
Gene No.	53029	Strand	+
Start	330	End	474
Name	OJ990414_07.9B12.C13.o1.gs	Method	GENSCAN
Start	330	End	474
GI	none	Score	.94
Exons	330..474		

Seq. No.	25563	Seq. ID	OJ990414_07.9B12.C14
Gene No.	53030	Strand	+
Start	1	End	392
Name	OJ990414_07.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	392
GI	5912028	Score	174
Exons	1..392		
GI Descrip.	(AL117514) hypothetical protein [Homo sapiens]		

Seq. No.	25563	Seq. ID	OJ990414_07.9B12.C14
Gene No.	53031	Strand	-
Start	65	End	299
Name	OJ990414_07.9B12.C14.o1.tc	Method	TBLASTX:Cress

Start	36	End	299
GI	none	Score	187
Exons	36..299, 36..236, 38..151, 41..151		

Seq. No.	25563	Seq. ID	OJ990414_07.9B12.C14
Gene No.	53031	Strand	-
Start	65	End	299
Name	OJ990414_07.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	36	End	248
GI	none	Score	194
Exons	36..248, 38..154		

Seq. No.	25563	Seq. ID	OJ990414_07.9B12.C14
Gene No.	53031	Strand	-
Start	65	End	299
Name	OJ990414_07.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	36	End	248
GI	none	Score	194
Exons	36..248, 38..151		

Seq. No.	25563	Seq. ID	OJ990414_07.9B12.C14
Gene No.	53031	Strand	-
Start	65	End	299
Name	OJ990414_07.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	36	End	299
GI	none	Score	188
Exons	36..299, 36..236, 38..154, 41..151		

Seq. No.	25563	Seq. ID	OJ990414_07.9B12.C14
Gene No.	53031	Strand	-
Start	65	End	299
Name	OJ990414_07.9B12.C14.o1.gs	Method	GENSCAN
Start	65	End	277
GI	none	Score	.9
Exons	65..277		

Seq. No.	25564	Seq. ID	OJ990414_07.9B12.C16
Gene No.	53032	Strand	+
Start	925	End	3225
Name	OJ990414_07.9B12.C16.o1.gs	Method	GENSCAN
Start	925	End	3225
GI	none	Score	.48
Exons	925..1000, 1509..1670, 1984..2157, 3065..3225		

Seq. No.	25564	Seq. ID	OJ990414_07.9B12.C16
Gene No.	53033	Strand	+
Start	6061	End	6364
Name	OJ990414_07.9B12.C16.o1.np	Method	AAT/NAP
Start	6061	End	6364
GI	115825	Score	67
Exons	6061..6232, 6308..6364		
GI Descrip.	CHLOROPHYLL A-B BINDING PROTEIN 3C PRECURSOR (LHCII TYPE I CAB-3C) (LHCP) gi|72734|pir||CDTO3C chlorophyll a/b-binding protein 3C precursor - tomato gi|224932|prf||1204205G protein 3C,chlorophyll binding [Lycopersicon esculentum]		

Seq. No.	25564	Seq. ID	OJ990414_07.9B12.C16

Gene No.	53034	Strand	-
Start	4683	End	6359
Name	OJ990414_07.9B12.C16.o2.gs	Method	GENSCAN
Start	4683	End	6359
GI	none	Score	.8
Exons	4683..4835, 4938..5084, 6103..6245, 6353..6359		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53035	Strand	+
Start	3827	End	4244
Name	OJ990414_07.9B12.C17.o2.gs	Method	GENSCAN
Start	3827	End	4244
GI	none	Score	.83
Exons	3827..3890, 4085..4168, 4219..4244		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53036	Strand	+
Start	11494	End	13293
Name	OJ990414_07.9B12.C17.o5.gs	Method	GENSCAN
Start	11494	End	13293
GI	none	Score	.76
Exons	11494..11875, 13289..13293		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53037	Strand	+
Start	13924	End	14254
Name	OJ990414_07.9B12.C17.o1.gp	Method	AAT/GAP
Start	13924	End	14254
GI	286336	Score	589
Exons	13924..14254		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53038	Strand	+
Start	14544	End	16565
Name	OJ990414_07.9B12.C17.o7.gs	Method	GENSCAN
Start	14544	End	16411
GI	none	Score	.88
Exons	14544..14579, 14766..14819, 15764..15883, 16280..16411		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53038	Strand	+
Start	14544	End	16565
Name	OJ990414_07.9B12.C17.o2.gp	Method	AAT/GAP
Start	15739	End	16565
GI	3760682	Score	750
Exons	15739..15883, 16280..16565		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53039	Strand	-
Start	5009	End	5367
Name	OJ990414_07.9B12.C17.o3.gs	Method	GENSCAN
Start	5009	End	5367
GI	none	Score	.99
Exons	5009..5133, 5241..5367		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53040	Strand	-

Start	5784	End	14224
Name	OJ990414_07.9B12.C17.o4.gs	Method	GENSCAN
Start	5784	End	10446
GI	none	Score	.78
Exons	5784..5996, 7080..7964, 8837..9157, 9723..9923, 9981..10229, 10429..10446		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53040	Strand	-
Start	5784	End	14224
Name	OJ990414_07.9B12.C17.o1.np	Method	AAT/NAP
Start	7060	End	14209
GI	510473	Score	771
Exons	7060..7298, 7386..7821, 9836..10214, 13931..14209		
GI Descrip.	(X74405) polyubiquitin [Artemia franciscana]		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53040	Strand	-
Start	5784	End	14224
Name	OJ990414_07.9B12.C17.o6.gs	Method	GENSCAN
Start	13781	End	14224
GI	none	Score	.61
Exons	13781..14224		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o2.ts	Method	TBLASTX:Soybean
Start	7045	End	14210
GI	none	Score	56
Exons	7045..7179, 7071..7178, 7071..7178, 7071..7178, 7071..7178, 7072..7179, 7252..7299, 7252..7302, 7267..7299, 7383..7613, 7395..7613, 7395..7613, 7395..7625, 7396..7626, 7449..7613, 7489..7614, 7489..7614, 7489..7614, 7617..7655, 7617..7655, 7617..7655, 7617..7655, 7704..7820, 7704..7820, 7704..7820, 7704..7820, 7705..7821, 7705..7821, 7705..7821, 7705..7821, 9855..10061, 9855..10061, 9855..10061, 9855..10073, 9856..10074, 9892..10062, 9892..10056, 9892..10062, 10065..10103, 10065..10103, 10065..10103, 10065..10103, 10149..10214, 10149..10214, 10149..10214, 10149..10214, 10150..10215, 13985..14107, 13991..14206, 13991..14206, 13991..14206, 13991..14206, 14157..14210		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o1.tc	Method	TBLASTX:Cress
Start	7071	End	14249
GI	none	Score	70
Exons	7071..7178, 7072..7179, 7264..7299, 7284..7301, 7395..7616, 7489..7614, 7617..7655, 7704..7826, 7705..7827, 9855..10064, 9874..10062, 10065..10103, 10149..10214, 13820..13873, 13874..13924, 13991..14206, 14070..14249		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498

Name	OJ990414_07.9B12.C17.o1.tw	Method	TBLASTX:Wheat
Start	7071	End	14402
GI	none	Score	76
Exons	7071..7178, 7071..7178, 7072..7179, 7084..7179, 7252..7299, 7275..7301, 7395..7613, 7395..7643, 7396..7614, 7425..7625, 7489..7614, 7537..7614, 7539..7613, 7617..7655, 7617..7655, 7704..7841, 7704..7820, 7705..7824, 7705..7821, 7744..7821, 7746..7820, 9855..10061, 9855..10091, 9856..10056, 9856..10062, 9996..10061, 10065..10103, 10065..10103, 10149..10214, 10149..10214, 10149..10214, 13985..14095, 13991..14221, 13991..14206, 13994..14101, 14070..14210, 14070..14213, 14135..14206, 14343..14402		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o2.tm	Method	TBLASTX:Maize
Start	7071	End	14236
GI	none	Score	81
Exons	7071..7178, 7072..7179, 7395..7622, 7396..7623, 7617..7655, 7704..7823, 7705..7824, 9855..10070, 9856..10071, 10065..10103, 10149..10214, 13754..13810, 13755..13811, 13820..13924, 13821..13949, 13985..14095, 13991..14236, 14070..14213		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o3.gp	Method	AAT/GAP
Start	16880	End	17964
GI	1140_1.R1084	Score	1461
Exons	16880..17503, 17787..17964		
GI Descrip.	'1495768/emb|CAA92823| 2.0e-36 (Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]'		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	17125	End	18297
GI	none	Score	41
Exons	17125..17169, 17125..17172, 17144..17173, 17150..17176, 17198..17221, 17241..17390, 17244..17399, 17245..17400, 17245..17406, 17402..17503, 17427..17498, 17784..18296, 17785..18297		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o8.gs	Method	GENSCAN
Start	17251	End	18266
GI	none	Score	.91
Exons	17251..17427, 17787..18266		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o2.np	Method	AAT/NAP

Start	17254	End	18498
GI	1495768	Score	639
Exons	17254..17503, 17787..18498		
GI Descrip.	(Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]		

Seq. No.	25565	Seq. ID	OJ990414_07.9B12.C17
Gene No.	53041	Strand	-
Start	17251	End	18498
Name	OJ990414_07.9B12.C17.o1.ts	Method	TBLASTX:Soybean
Start	17883	End	18293
GI	none	Score	294
Exons	17883..18293, 17884..18264		

Seq. No.	25566	Seq. ID	OJ990414_07.9B12.C25
Gene No.	53042	Strand	+
Start	203	End	411
Name	OJ990414_07.9B12.C25.o1.tc	Method	TBLASTX:Cress
Start	203	End	400
GI	none	Score	235
Exons	203..400, 205..399		

Seq. No.	25566	Seq. ID	OJ990414_07.9B12.C25
Gene No.	53042	Strand	+
Start	203	End	411
Name	OJ990414_07.9B12.C25.o1.gp	Method	AAT/GAP
Start	203	End	411
GI	54450_1.R1084	Score	336
Exons	203..411		
GI Descrip.	'4006865/emb|CAB16783.1| 3.0e-42 (Z99707) putative protein [Arabidopsis thaliana]'		

Seq. No.	25566	Seq. ID	OJ990414_07.9B12.C25
Gene No.	53042	Strand	+
Start	203	End	411
Name	OJ990414_07.9B12.C25.o1.tm	Method	TBLASTX:Maize
Start	203	End	400
GI	none	Score	283
Exons	203..400, 205..399		

Seq. No.	25566	Seq. ID	OJ990414_07.9B12.C25
Gene No.	53042	Strand	+
Start	203	End	411
Name	OJ990414_07.9B12.C25.o1.ts	Method	TBLASTX:Soybean
Start	203	End	399
GI	none	Score	263
Exons	203..397, 203..397, 205..399		

Seq. No.	25567	Seq. ID	OJ990414_07.9B12.C26
Gene No.	53043	Strand	-
Start	120	End	187
Name	OJ990414_07.9B12.C26.o1.gp	Method	AAT/GAP
Start	120	End	187
GI	29591_1.R1084	Score	117
Exons	120..187		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53044	Strand	+
Start	195	End	1417
Name	OJ990414_07.9B12.C27.o1.gp	Method	AAT/GAP
Start	195	End	1417
GI	54450_1.R1084	Score	1338
Exons	195..442, 819..922, 1013..1417		
GI Descrip.	'4006865/emb|CAB16783.1| 3.0e-42 (Z99707) putative protein [Arabidopsis thaliana]'		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53044	Strand	+
Start	195	End	1417
Name	OJ990414_07.9B12.C27.o1.gs	Method	GENSCAN
Start	195	End	1159
GI	none	Score	.71
Exons	195..442, 819..922, 1013..1159		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53045	Strand	+
Start	6149	End	9372
Name	OJ990414_07.9B12.C27.o3.gs	Method	GENSCAN
Start	6149	End	9372
GI	none	Score	.67
Exons	6149..6310, 9217..9372		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53046	Strand	+
Start	9769	End	12037
Name	OJ990414_07.9B12.C27.o2.gp	Method	AAT/GAP
Start	9758	End	12037
GI	851_1.R1084	Score	3474
Exons	9758..10443, 10530..11012, 11391..12037		
GI Descrip.	'4096173 2.0e-93 (U25968) early embryogenesis protein [Oryza sativa]'		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53046	Strand	+
Start	9769	End	12037
Name	OJ990414_07.9B12.C27.o1.np	Method	AAT/NAP
Start	9769	End	11825
GI	4096173	Score	2392
Exons	9769..10443, 10531..11012, 11391..11825		
GI Descrip.	(U25968) early embryogenesis protein [Oryza sativa]		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53046	Strand	+
Start	9769	End	12037
Name	OJ990414_07.9B12.C27.o4.gs	Method	GENSCAN
Start	9769	End	11828
GI	none	Score	.99
Exons	9769..10443, 10530..11012, 11391..11828		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53047	Strand	+
Start	13368	End	14780

Name	OJ990414_07.9B12.C27.o5.gs	Method	GENSCAN
Start	13368	End	14780
GI	none	Score	.88
Exons	13368..13520, 13584..13793, 13889..14118, 14434..14604, 14740..14780		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53048	Strand	-
Start	1880	End	2638
Name	OJ990414_07.9B12.C27.o1.tc	Method	TBLASTX:Cress
Start	222	End	1150
GI	none	Score	121
Exons	222..434, 222..434, 223..441, 242..454, 809..883, 1058..1150, 1078..1140		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53048	Strand	-
Start	1880	End	2638
Name	OJ990414_07.9B12.C27.o2.tm	Method	TBLASTX:Maize
Start	222	End	924
GI	none	Score	395
Exons	222..440, 223..441, 223..450, 808..873, 809..886, 816..923, 817..924, 818..922		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53048	Strand	-
Start	1880	End	2638
Name	OJ990414_07.9B12.C27.o1.ts	Method	TBLASTX:Soybean
Start	223	End	1183
GI	none	Score	371
Exons	223..438, 223..435, 225..449, 225..437, 809..886, 1056..1160, 1056..1157, 1058..1162, 1069..1167, 1070..1183		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53048	Strand	-
Start	1880	End	2638
Name	OJ990414_07.9B12.C27.o2.gs	Method	GENSCAN
Start	1880	End	2638
GI	none	Score	.82
Exons	1880..2638		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53049	Strand	
Start	9910	End	11753
Name	OJ990414_07.9B12.C27.o2.tc	Method	TBLASTX:Cress
Start	9910	End	11720
GI	none	Score	124
Exons	9910..10074, 10273..10443, 10281..10385, 10848..10988, 11388..11720, 11390..11458, 11519..11719		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53049	Strand	
Start	9910	End	11753
Name	OJ990414_07.9B12.C27.o3.tm	Method	TBLASTX:Maize
Start	9910	End	11753
GI	none	Score	47
Exons	9910..9963, 9961..10074, 10287..10388, 10288..10443,		

10859..10984, 10860..10988, 10869..10988, 11388..11753,
11393..11752

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53049	Strand	
Start	9910	End	11753
Name	OJ990414_07.9B12.C27.o3.ts	Method	TBLASTX:Soybean
Start	10006	End	11600
GI	none	Score	66
Exons	10006..10068, 11388..11420, 11421..11600, 11444..11599		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53050	Strand	
Start	13626	End	14566
Name	OJ990414_07.9B12.C27.o1.tm	Method	TBLASTX:Maize
Start	13626	End	14566
GI	none	Score	168
Exons	13626..13796, 13655..13795, 13890..13976, 13891..14124, 13892..14125, 13892..14125, 14070..14129, 14431..14559, 14431..14565, 14432..14566, 14450..14566		

Seq. No.	25568	Seq. ID	OJ990414_07.9B12.C27
Gene No.	53050	Strand	
Start	13626	End	14566
Name	OJ990414_07.9B12.C27.o2.ts	Method	TBLASTX:Soybean
Start	13884	End	14089
GI	none	Score	234
Exons	13884..14000, 13886..14089, 13891..14088		

Seq. No.	25569	Seq. ID	OJ990414_07.9B12.C28
Gene No.	53051	Strand	+
Start	159	End	1061
Name	OJ990414_07.9B12.C28.o1.gs	Method	GENSCAN
Start	159	End	1059
GI	none	Score	.98
Exons	159..264, 596..802, 895..1059		

Seq. No.	25569	Seq. ID	OJ990414_07.9B12.C28
Gene No.	53051	Strand	+
Start	159	End	1061
Name	OJ990414_07.9B12.C28.o1.ts	Method	TBLASTX:Soybean
Start	626	End	1029
GI	none	Score	189
Exons	626..802, 637..807, 888..1028, 897..1028, 898..1029		

Seq. No.	25569	Seq. ID	OJ990414_07.9B12.C28
Gene No.	53051	Strand	+
Start	159	End	1061
Name	OJ990414_07.9B12.C28.o1.tm	Method	TBLASTX:Maize
Start	730	End	1061
GI	none	Score	107
Exons	730..807, 731..802, 888..989, 897..1061, 898..1047		

Seq. No.	25569	Seq. ID	OJ990414_07.9B12.C28
Gene No.	53051	Strand	+
Start	159	End	1061
Name	OJ990414_07.9B12.C28.o1.tc	Method	TBLASTX:Cress

Start	894	End	1058
GI	none	Score	236
Exons	894..1058, 895..1047		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53052	Strand	+
Start	1	End	2459
Name	OJ990414_07.9B12.C29.o1.np	Method	AAT/NAP
Start	1	End	2410
GI	6382526	Score	784
Exons	1..247, 651..757, 1249..1658, 1749..2061, 2271..2410		
GI Descrip.	(AC011020) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53052	Strand	+
Start	1	End	2459
Name	OJ990414_07.9B12.C29.o1.gs	Method	GENSCAN
Start	108	End	2443
GI	none	Score	.69
Exons	108..242, 1227..1658, 1749..2061, 2271..2443		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53052	Strand	+
Start	1	End	2459
Name	OJ990414_07.9B12.C29.o1.gp	Method	AAT/GAP
Start	1732	End	2459
GI	uC-osf1M202052d02b1	Score	956
Exons	1732..2061, 2271..2459		
GI Descrip.	'2832677/emb|CAA16777.1| 3.0e-10 (AL021712) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	1214	End	1628
GI	none	Score	125
Exons	1214..1300, 1224..1319, 1227..1325, 1316..1510, 1319..1618, 1323..1628, 1326..1607, 1556..1627		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o3.tm	Method	TBLASTX:Maize
Start	1629	End	2006
GI	none	Score	74
Exons	1629..1727, 1631..1660, 1752..1997, 1753..2001, 1762..1998, 1784..2002, 1785..2006		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o2.ts	Method	TBLASTX:Soybean
Start	3438	End	4809
GI	none	Score	72
Exons	3438..3527, 3440..3511, 3444..3521, 3445..3534, 3712..3804, 3716..3802, 3942..4070, 3943..4068, 4118..4255, 4122..4253,		

4720..4809, 4725..4802

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o2.gs	Method	GENSCAN
Start	3441	End	10887
GI	none	Score	.71
Exons	3441..3521, 3942..4067, 4728..4847, 5404..5496, 5763..5909, 6560..6814, 6906..7081, 7886..8012, 8262..8378, 9441..9466, 10878..10887		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o2.np	Method	AAT/NAP
Start	3444	End	7932
GI	4850401	Score	1407
Exons	3444..3521, 3709..3807, 3942..4067, 4142..4252, 4728..4847, 5404..5496, 5763..5909, 6590..6814, 6906..7140, 7886..7932		
GI Descrip.	(AC007357) Strong similarity to gb|U29610 Actin-like protein (Arp3) from Acanthamoeba castellanii and is a member of the PF|00022 Actin family. [Arabidopsis thaliana]		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o2.tw	Method	TBLASTX:Wheat
Start	3697	End	4180
GI	none	Score	108
Exons	3697..3804, 3710..3802, 3943..4068, 3960..4070, 4118..4180, 4130..4171		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o1.tc	Method	TBLASTX:Cress
Start	3706	End	7015
GI	none	Score	87
Exons	3706..3798, 4002..4079, 5787..5948, 6608..6814, 6615..6851, 6909..6944, 6959..7015, 6986..7006		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o4.tm	Method	TBLASTX:Maize
Start	3975	End	5466
GI	none	Score	107
Exons	3975..4067, 3975..4067, 3976..4068, 3977..4069, 4115..4174, 4118..4255, 4143..4253, 4145..4255, 4692..4823, 4720..4848, 4724..4849, 4725..4802, 4729..4848, 5428..5466		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o3.ts	Method	TBLASTX:Soybean
Start	5399	End	6748

GI	none	Score	110
Exons	5399..5497, 5399..5500, 5404..5505, 5761..5901, 5770..5907, 5787..5906, 6590..6748, 6606..6746		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o2.tm	Method	TBLASTX:Maize
Start	6606	End	6968
GI	none	Score	191
Exons	6606..6734, 6606..6728, 6607..6729, 6608..6748, 6724..6816, 6728..6817, 6729..6815, 6729..6821, 6730..6816, 6853..6963, 6904..6966, 6909..6968		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o1.tw	Method	TBLASTX:Wheat
Start	6608	End	6944
GI	none	Score	92
Exons	6608..6814, 6642..6815, 6909..6944		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o1.ts	Method	TBLASTX:Soybean
Start	6779	End	7139
GI	none	Score	169
Exons	6779..6817, 6909..7139, 6946..7137		

Seq. No.	25570	Seq. ID	OJ990414_07.9B12.C29
Gene No.	53053	Strand	-
Start	3441	End	10887
Name	OJ990414_07.9B12.C29.o5.tm	Method	TBLASTX:Maize
Start	6969	End	7936
GI	none	Score	225
Exons	6969..7139, 6970..7140, 6976..7140, 7883..7936, 7885..7932		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53054	Strand	+
Start	464	End	705
Name	OJ990414_07.9B12.C30.o1.np	Method	AAT/NAP
Start	464	End	705
GI	6721512	Score	68
Exons	464..575, 603..705		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53055	Strand	+
Start	640	End	11213
Name	OJ990414_07.9B12.C30.o1.gs	Method	GENSCAN
Start	640	End	11213
GI	none	Score	.49
Exons	640..710, 1054..1090, 1595..1730, 3194..3248, 4348..4403, 6773..6902, 8011..8183, 9084..9218, 9605..9741, 9770..9878, 10117..10241, 10286..10330, 10866..11213		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53055	Strand	+
Start	640	End	11213
Name	OJ990414_07.9B12.C30.o2.np	Method	AAT/NAP
Start	1592	End	3446
GI	2500378	Score	354
Exons	1592..1730, 3194..3295, 3403..3446		
GI Descrip.	60S RIBOSOMAL PROTEIN L37		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53055	Strand	+
Start	640	End	11213
Name	OJ990414_07.9B12.C30.o1.gp	Method	AAT/GAP
Start	1618	End	3618
GI	67922_1.R1084	Score	687
Exons	1618..1730, 3194..3295, 3403..3618		
GI Descrip.	'1350736/sp|P49212|RL37_LYCES 2.0e-21 60S RIBOSOMAL PROTEIN L37 >gi_629673_pir__S44313 ribosomal protein L37 - tomato >gi_483586_emb_CAA55674_ (X79074) ribosomal protein L37 [Lycopersicon esculentum]'		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o1.tm	Method	TBLASTX:Maize
Start	1585	End	3450
GI	none	Score	254
Exons	1585..1734, 1586..1729, 3185..3295, 3193..3294, 3195..3296, 3196..3297, 3401..3445, 3402..3449, 3405..3449, 3406..3450		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o1.tc	Method	TBLASTX:Cress
Start	1589	End	3443
GI	none	Score	217
Exons	1589..1726, 1594..1734, 3195..3296, 3196..3297, 3401..3433, 3402..3443		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o2.ts	Method	TBLASTX:Soybean
Start	1589	End	3443
GI	none	Score	227
Exons	1589..1729, 1594..1734, 3193..3297, 3196..3297, 3197..3301, 3401..3439, 3402..3443		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o3.tm	Method	TBLASTX:Maize
Start	9089	End	9306
GI	none	Score	80
Exons	9089..9259, 9096..9290, 9262..9306		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30

Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o3.np	Method	AAT/NAP
Start	12016	End	13121
GI	4680501	Score	353
Exons	12016..12512, 12549..13121		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o2.gs	Method	GENSCAN
Start	12024	End	13136
GI	none	Score	.97
Exons	12024..13136		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o2.tm	Method	TBLASTX:Maize
Start	12042	End	12911
GI	none	Score	125
Exons	12042..12194, 12420..12476, 12543..12716, 12587..12712, 12717..12824, 12846..12911		

Seq. No.	25571	Seq. ID	OJ990414_07.9B12.C30
Gene No.	53056	Strand	+
Start	12024	End	13136
Name	OJ990414_07.9B12.C30.o1.ts	Method	TBLASTX:Soybean
Start	12420	End	13121
GI	none	Score	44
Exons	12420..12476, 12543..12734, 12596..12718, 12717..12824, 12846..13121, 12854..13108		

Seq. No.	25572	Seq. ID	OJ990414_07.9B12.C31
Gene No.	53057	Strand	+
Start	1	End	2250
Name	OJ990414_07.9B12.C31.o1.np	Method	AAT/NAP
Start	1	End	2250
GI	4680500	Score	181
Exons	1..87, 1699..2250		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	25572	Seq. ID	OJ990414_07.9B12.C31
Gene No.	53057	Strand	+
Start	1	End	2250
Name	OJ990414_07.9B12.C31.o1.gs	Method	GENSCAN
Start	1218	End	2118
GI	none	Score	.98
Exons	1218..1463, 1549..2118		

Seq. No.	25572	Seq. ID	OJ990414_07.9B12.C31
Gene No.	53058	Strand	+
Start	3481	End	3938
Name	OJ990414_07.9B12.C31.o2.gs	Method	GENSCAN
Start	3481	End	3938
GI	none	Score	.84

Exons	3481..3938		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53059	Strand	+
Start	1	End	393
Name	OJ990414_07.9B12.C32.o1.np	Method	AAT/NAP
Start	1	End	362
GI	4680341	Score	232
Exons	1..362		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53059	Strand	+
Start	1	End	393
Name	OJ990414_07.9B12.C32.o1.gs	Method	GENSCAN
Start	13	End	393
GI	none	Score	.89
Exons	13..393		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53060	Strand	+
Start	6449	End	12285
Name	OJ990414_07.9B12.C32.o3.np	Method	AAT/NAP
Start	6449	End	12285
GI	4680341	Score	424
Exons	6449..6500, 7096..7156, 11573..12285		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53061	Strand	-
Start	2698	End	3300
Name	OJ990414_07.9B12.C32.o1.gp	Method	AAT/GAP
Start	2698	End	3300
GI	none	Score	607
Exons	2698..2770, 2862..2982, 3065..3300		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53062	Strand	-
Start	10179	End	10781
Name	OJ990414_07.9B12.C32.o2.gp	Method	AAT/GAP
Start	9869	End	10509
GI	none	Score	1146
Exons	9869..10509		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53062	Strand	-
Start	10179	End	10781
Name	OJ990414_07.9B12.C32.o4.gs	Method	GENSCAN
Start	10179	End	10772
GI	none	Score	.94
Exons	10179..10685, 10758..10772		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53062	Strand	-
Start	10179	End	10781
Name	OJ990414_07.9B12.C32.o2.np	Method	AAT/NAP
Start	10182	End	10781

GI	121631	Score	572
Exons	10182..10781		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 2 PRECURSOR gi|72323|pir||KNNT2S glycine-rich protein 2 - wood tobacco gi|19743|emb|CAA42622| (X60007) nsGRP-2 [Nicotiana sylvestris]		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o2.ts	Method	TBLASTX:Soybean
Start	1	End	12288
GI	none	Score	128
Exons	1..144, 3..149, 135..314, 184..315, 315..362, 4609..4740, 4611..4694, 4741..4797, 4873..5034, 4875..5063, 5047..5127, 7630..7866, 7689..7787, 7933..8094, 11572..11667, 11713..11874, 11769..11873, 11881..11955, 12013..12288, 12021..12047, 12141..12287		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o3.tm	Method	TBLASTX:Maize
Start	1	End	13561
GI	none	Score	108
Exons	1..144, 15..158, 135..314, 184..435, 4093..4221, 4617..4694, 4618..4728, 4741..4797, 4746..4793, 4873..5034, 4875..5030, 5047..5127, 7174..7212, 7228..7323, 7630..7866, 7689..7862, 7933..8094, 11235..11381, 11236..11382, 11572..11667, 11572..11619, 11713..11874, 11733..11762, 11763..11873, 11899..11955, 12013..12288, 12040..12225, 13382..13453, 13453..13560, 13469..13561		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o2.tc	Method	TBLASTX:Cress
Start	70	End	12270
GI	none	Score	81
Exons	70..144, 148..363, 192..314, 4753..4800, 4873..5031, 4875..5039, 5053..5115, 7810..7866, 7933..8091, 11896..11955, 12012..12047, 12013..12270, 12141..12266		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o2.tw	Method	TBLASTX:Wheat
Start	85	End	12186
GI	none	Score	76
Exons	85..144, 175..357, 4741..4797, 4872..5102, 4876..5115, 7810..7866, 7936..8091, 11899..11955, 12025..12186		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o1.tw	Method	TBLASTX:Wheat
Start	10525	End	10763
GI	none	Score	220

Exons	10525..10692, 10529..10690, 10539..10691, 10740..10763		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o5.tm	Method	TBLASTX:Maize
Start	10525	End	10779
GI	none	Score	227
Exons	10525..10689, 10539..10691, 10542..10688, 10740..10775, 10741..10779		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o1.tm	Method	TBLASTX:Maize
Start	14095	End	17273
GI	none	Score	77
Exons	14095..14229, 14247..14384, 14254..14379, 14405..14569, 14422..14580, 14436..14567, 14467..14685, 14569..14616, 14621..14752, 14625..14753, 14647..14751, 14842..14925, 14843..14929, 14849..14929, 15028..15105, 15039..15104, 15053..15112, 16934..16996, 16935..16997, 16977..17003, 17120..17218, 17129..17224, 17238..17273		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o6.gs	Method	GENSCAN
Start	14103	End	20415
GI	none	Score	.58
Exons	14103..14750, 15538..15668, 16934..16995, 17214..17741, 18367..18446, 18778..18921, 19371..19482, 19587..19768, 19844..19975, 20095..20415		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o5.np	Method	AAT/NAP
Start	14106	End	17323
GI	6714274	Score	353
Exons	14106..14764, 14847..14932, 15014..15104, 16934..16995, 17130..17191, 17264..17323		
GI Descrip.	(AC017118) F6N18.11 [Arabidopsis thaliana]		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o6.np	Method	AAT/NAP
Start	18274	End	20484
GI	2832661	Score	634
Exons	18274..18339, 18384..18446, 18778..18921, 19371..19482, 19587..19804, 19844..19975, 20095..20484		
GI Descrip.	(AL021710) pherophorin - like protein [Arabidopsis thaliana]		
Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484

Name	OJ990414_07.9B12.C32.o1.ts	Method	TBLASTX:Soybean
Start	18387	End	20217
GI	none	Score	107
Exons	18387..18449, 18772..18924, 18778..18924, 19368..19484, 19573..19770, 19576..19746, 19581..19805, 19589..19768, 19841..19972, 19842..19967, 20092..20217		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o6.tm	Method	TBLASTX:Maize
Start	18399	End	18924
GI	none	Score	212
Exons	18399..18449, 18778..18924, 18779..18922, 18780..18923		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o2.tm	Method	TBLASTX:Maize
Start	19368	End	19756
GI	none	Score	123
Exons	19368..19478, 19368..19484, 19372..19485, 19581..19754, 19588..19755, 19589..19756, 19598..19756		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o1.tc	Method	TBLASTX:Cress
Start	19589	End	20166
GI	none	Score	126
Exons	19589..19768, 19605..19802, 19841..19975, 19842..19970, 20092..20166		

Seq. No.	25573	Seq. ID	OJ990414_07.9B12.C32
Gene No.	53063	Strand	-
Start	14103	End	20484
Name	OJ990414_07.9B12.C32.o4.tm	Method	TBLASTX:Maize
Start	20090	End	20348
GI	none	Score	250
Exons	20090..20281, 20092..20280, 20099..20347, 20100..20348		

Seq. No.	25574	Seq. ID	OJ990414_07.9B12.C33
Gene No.	53064	Strand	-
Start	1	End	1876
Name	OJ990414_07.9B12.C33.o1.np	Method	AAT/NAP
Start	1	End	337
GI	2832661	Score	130
Exons	1..337		
GI Descrip.	(AL021710) pherophorin - like protein [Arabidopsis thaliana]		

Seq. No.	25574	Seq. ID	OJ990414_07.9B12.C33
Gene No.	53064	Strand	-
Start	1	End	1876
Name	OJ990414_07.9B12.C33.o2.np	Method	AAT/NAP
Start	1	End	1220
GI	1669599	Score	85
Exons	1..65, 839..1026, 1125..1220		

GI Descrip. (D88746) AR791 [Arabidopsis thaliana]

Seq. No.	25574	Seq. ID	OJ990414_07.9B12.C33
Gene No.	53064	Strand	-
Start	1	End	1876
Name	OJ990414_07.9B12.C33.o2.tm	Method	TBLASTX:Maize
Start	64	End	295
GI	none	Score	230
Exons	64..294, 65..295		

Seq. No.	25574	Seq. ID	OJ990414_07.9B12.C33
Gene No.	53064	Strand	-
Start	1	End	1876
Name	OJ990414_07.9B12.C33.o1.gs	Method	GENSCAN
Start	96	End	1876
GI	none	Score	.79
Exons	96..998, 1091..1876		

Seq. No.	25574	Seq. ID	OJ990414_07.9B12.C33
Gene No.	53064	Strand	-
Start	1	End	1876
Name	OJ990414_07.9B12.C33.o1.tm	Method	TBLASTX:Maize
Start	501	End	739
GI	none	Score	256
Exons	501..719, 502..711, 507..716, 511..720, 512..739		

Seq. No.	25574	Seq. ID	OJ990414_07.9B12.C33
Gene No.	53064	Strand	-
Start	1	End	1876
Name	OJ990414_07.9B12.C33.o1.ts	Method	TBLASTX:Soybean
Start	780	End	1240
GI	none	Score	94
Exons	780..1001, 834..956, 910..996, 1091..1240, 1119..1214, 1136..1216		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53065	Strand	+
Start	2725	End	7242
Name	OJ990414_07.9B12.C34.o2.gs	Method	GENSCAN
Start	2725	End	7242
GI	none	Score	.71
Exons	2725..2810, 3205..3285, 7149..7242		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53066	Strand	+
Start	8583	End	13661
Name	OJ990414_07.9B12.C34.o3.gs	Method	GENSCAN
Start	8583	End	13429
GI	none	Score	.75
Exons	8583..8666, 8791..8951, 9217..9342, 10014..10095, 10614..10754, 11661..11774, 12050..12141, 12467..12608, 12747..12844, 12927..13056, 13271..13429		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53066	Strand	+
Start	8583	End	13661
Name	OJ990414_07.9B12.C34.o3.gp	Method	AAT/GAP

Start	9162	End	10737
GI	1631921	Score	813
Exons	9162..9342, 9652..9812, 10630..10737		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53066	Strand	+
Start	8583	End	13661
Name	OJ990414_07.9B12.C34.o2.np	Method	AAT/NAP
Start	9773	End	13661
GI	4587518	Score	1116
Exons	9773..9821, 10618..10754, 11661..11774, 11858..11965, 12050..12141, 12467..12608, 12747..12844, 12927..13056, 13271..13661		
GI Descrip.	(AC007060) Strong similarity to F19I3.8 gi|3033381 putative UDP-galactose-4-epimerase from Arabidopsis thaliana BAC gb|AC004238 and is a member of PF|01370 the NAD dependent epimerase/dehydratase family. EST gb|AA59...		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53066	Strand	+
Start	8583	End	13661
Name	OJ990414_07.9B12.C34.o4.gp	Method	AAT/GAP
Start	12019	End	13079
GI	29591_1.R1084	Score	880
Exons	12019..12141, 12467..12608, 12747..12844, 12927..13079		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53067	Strand	-
Start	540	End	1586
Name	OJ990414_07.9B12.C34.o1.gs	Method	GENSCAN
Start	540	End	1586
GI	none	Score	.79
Exons	540..776, 815..942, 1192..1586		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53068	Strand	-
Start	7647	End	7704
Name	OJ990414_07.9B12.C34.o1.gp	Method	AAT/GAP
Start	7647	End	7704
GI	2312838	Score	68
Exons	7647..7704		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53069	Strand	
Start	10620	End	13435
Name	OJ990414_07.9B12.C34.o1.tm	Method	TBLASTX:Maize
Start	10620	End	13435
GI	none	Score	126
Exons	10620..10754, 10628..10753, 11650..11730, 11661..11774, 11661..11774, 11665..11775, 11723..11779, 11857..11967, 11858..11971, 11871..12005, 12049..12144, 12050..12142, 12464..12607, 12464..12601, 12465..12608, 12735..12842, 12749..12820, 12807..12848, 12922..13059, 12924..13058,		

12927..13076, 13265..13435, 13268..13429

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53069	Strand	
Start	10620	End	13435
Name	OJ990414_07.9B12.C34.o2.tw	Method	TBLASTX:Wheat
Start	10704	End	11923
GI	none	Score	62
Exons	10704..10757, 11679..11795, 11703..11777, 11855..11923, 11857..11922		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53069	Strand	
Start	10620	End	13435
Name	OJ990414_07.9B12.C34.o1.ts	Method	TBLASTX:Soybean
Start	11703	End	13435
GI	none	Score	115
Exons	11703..11774, 11723..11779, 11857..11955, 11858..11971, 12049..12144, 12050..12142, 12464..12601, 12465..12608, 12468..12611, 12731..12805, 12735..12821, 12825..12848, 12922..13059, 12924..13058, 13265..13435, 13268..13417		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53069	Strand	
Start	10620	End	13435
Name	OJ990414_07.9B12.C34.o2.tc	Method	TBLASTX:Cress
Start	11894	End	12545
GI	none	Score	118
Exons	11894..11983, 11902..11967, 12049..12144, 12050..12142, 12464..12541, 12465..12545		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53069	Strand	
Start	10620	End	13435
Name	OJ990414_07.9B12.C34.o1.tw	Method	TBLASTX:Wheat
Start	11924	End	12848
GI	none	Score	46
Exons	11924..11953, 12049..12144, 12050..12142, 12450..12596, 12464..12589, 12464..12601, 12465..12608, 12744..12821, 12746..12820, 12816..12848		

Seq. No.	25575	Seq. ID	OJ990414_07.9B12.C34
Gene No.	53069	Strand	
Start	10620	End	13435
Name	OJ990414_07.9B12.C34.o1.tc	Method	TBLASTX:Cress
Start	12546	End	13426
GI	none	Score	94
Exons	12546..12608, 12743..12811, 12744..12812, 12821..12847, 12822..12848, 12922..13059, 12924..13058, 13252..13377, 13253..13426, 13268..13411		

Seq. No.	25576	Seq. ID	OJ990414_07.9B12.C35
Gene No.	53070	Strand	+
Start	419	End	6954
Name	OJ990414_07.9B12.C35.o1.gp	Method	AAT/GAP
Start	2467	End	4172
GI	18072_1.R1084	Score	810

Exons	2467..2540, 3806..4172		
GI Descrip.	'2645165/dbj|D50573|D50573 4.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		
Seq. No.	25576	Seq. ID	OJ990414_07.9B12.C35
Gene No.	53071	Strand	-
Start	8232	End	8976
Name	OJ990414_07.9B12.C35.o2.gs	Method	GENSCAN
Start	8232	End	8976
GI	none	Score	.46
Exons	8232..8347, 8943..8976		
Seq. No.	25577	Seq. ID	OJ990414_07.9B12.C37
Gene No.	53072	Strand	-
Start	313	End	608
Name	OJ990414_07.9B12.C37.o1.gs	Method	GENSCAN
Start	313	End	608
GI	none	Score	.98
Exons	313..404, 482..608		
Seq. No.	25578	Seq. ID	OJ990414_07.9B12.C38
Gene No.	53073	Strand	+
Start	276	End	403
Name	OJ990414_07.9B12.C38.o1.gs	Method	GENSCAN
Start	276	End	403
GI	none	Score	.99
Exons	276..403		
Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o1.np	Method	AAT/NAP
Start	1	End	1049
GI	6630696	Score	1785
Exons	1..1049		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o2.tm	Method	TBLASTX:Maize
Start	2	End	337
GI	none	Score	229
Exons	2..337, 79..177		
Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o3.ts	Method	TBLASTX:Soybean
Start	2	End	211
GI	none	Score	190
Exons	2..211, 79..147		
Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+

Start	1	End	1049
Name	OJ990414_07.9B12.C39.o2.tw	Method	TBLASTX:Wheat
Start	2	End	580
GI	none	Score	157
Exons	2..172, 167..373, 310..363, 527..580		

Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o1.gs	Method	GENSCAN
Start	77	End	994
GI	none	Score	.66
Exons	77..994		

Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o1.ts	Method	TBLASTX:Soybean
Start	226	End	577
GI	none	Score	141
Exons	226..390, 227..385, 385..573, 386..574, 395..577		

Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o1.tm	Method	TBLASTX:Maize
Start	353	End	724
GI	none	Score	362
Exons	353..724, 376..723		

Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o1.tw	Method	TBLASTX:Wheat
Start	581	End	1048
GI	none	Score	105
Exons	581..655, 582..641, 586..681, 586..654, 620..1018, 664..1044, 670..1047, 671..1048		

Seq. No.	25579	Seq. ID	OJ990414_07.9B12.C39
Gene No.	53074	Strand	+
Start	1	End	1049
Name	OJ990414_07.9B12.C39.o2.ts	Method	TBLASTX:Soybean
Start	587	End	928
GI	none	Score	97
Exons	587..700, 622..690, 719..928, 724..849		

Seq. No.	25580	Seq. ID	OJ990414_07.9B12.C40
Gene No.	53075	Strand	+
Start	502	End	758
Name	OJ990414_07.9B12.C40.o1.gp	Method	AAT/GAP
Start	502	End	758
GI	426253	Score	450
Exons	502..758		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53076	Strand	+

Start	3390	End	3484
Name	OJ990414_07.9B12.C41.o2.np	Method	AAT/NAP
Start	3390	End	3484
GI	5852084	Score	78
Exons	3390..3484		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53077	Strand	-
Start	2275	End	2976
Name	OJ990414_07.9B12.C41.o1.gs	Method	GENSCAN
Start	2275	End	2976
GI	none	Score	.95
Exons	2275..2976		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53077	Strand	-
Start	2275	End	2976
Name	OJ990414_07.9B12.C41.o1.np	Method	AAT/NAP
Start	2278	End	2976
GI	2266666	Score	701
Exons	2278..2976		
GI Descrip.	(Y14202) hypothetical protein [Hordeum vulgare]		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53078	Strand	-
Start	4628	End	4848
Name	OJ990414_07.9B12.C41.o2.tm	Method	TBLASTX:Maize
Start	2274	End	4846
GI	none	Score	62
Exons	2274..2381, 2275..2523, 2276..2518, 4610..4732, 4637..4750, 4638..4751, 4766..4846, 4767..4844		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53078	Strand	-
Start	4628	End	4848
Name	OJ990414_07.9B12.C41.o1.ts	Method	TBLASTX:Soybean
Start	2278	End	4846
GI	none	Score	123
Exons	2278..2553, 2279..2536, 2572..2631, 2573..2635, 2656..2703, 2713..2754, 2770..2904, 4637..4750, 4638..4751, 4766..4846, 4773..4844		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53078	Strand	-
Start	4628	End	4848
Name	OJ990414_07.9B12.C41.o1.tm	Method	TBLASTX:Maize
Start	2554	End	2907
GI	none	Score	130
Exons	2554..2631, 2564..2638, 2648..2755, 2656..2754, 2764..2859, 2767..2907, 2768..2884		

Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53078	Strand	-
Start	4628	End	4848
Name	OJ990414_07.9B12.C41.o2.gs	Method	GENSCAN
Start	4628	End	4750

GI	none	Score	.93
Exons	4628..4750		
Seq. No.	25581	Seq. ID	OJ990414_07.9B12.C41
Gene No.	53078	Strand	-
Start	4628	End	4848
Name	OJ990414_07.9B12.C41.o3.np	Method	AAT/NAP
Start	4631	End	4848
GI	5669008	Score	279
Exons	4631..4848		
GI Descrip.	(AF079526) secretory protein [Triticum aestivum]		
Seq. No.	25582	Seq. ID	OJ990414_07.9B12.C42
Gene No.	53079	Strand	+
Start	1614	End	3085
Name	OJ990414_07.9B12.C42.o1.gs	Method	GENSCAN
Start	1614	End	2933
GI	none	Score	.98
Exons	1614..1961, 2592..2933		
Seq. No.	25582	Seq. ID	OJ990414_07.9B12.C42
Gene No.	53079	Strand	+
Start	1614	End	3085
Name	OJ990414_07.9B12.C42.o1.np	Method	AAT/NAP
Start	1614	End	2933
GI	2266664	Score	745
Exons	1614..1961, 2592..2933		
GI Descrip.	(Y14201) hypothetical protein [Hordeum vulgare]		
Seq. No.	25582	Seq. ID	OJ990414_07.9B12.C42
Gene No.	53079	Strand	+
Start	1614	End	3085
Name	OJ990414_07.9B12.C42.o1.ts	Method	TBLASTX:Soybean
Start	1686	End	2930
GI	none	Score	108
Exons	1686..1817, 2598..2636, 2601..2636, 2655..2930, 2672..2926		
Seq. No.	25582	Seq. ID	OJ990414_07.9B12.C42
Gene No.	53079	Strand	+
Start	1614	End	3085
Name	OJ990414_07.9B12.C42.o1.gp	Method	AAT/GAP
Start	2621	End	3085
GI	LIB3432-008-P1-K1-E12	Score	890
Exons	2621..3085		
GI Descrip.	'2266664/emb|CAA74593| 7.0e-35 (Y14201) hypothetical protein [Hordeum vulgare]'		
Seq. No.	25582	Seq. ID	OJ990414_07.9B12.C42
Gene No.	53079	Strand	+
Start	1614	End	3085
Name	OJ990414_07.9B12.C42.o1.tm	Method	TBLASTX:Maize
Start	2685	End	2936
GI	none	Score	329
Exons	2685..2936, 2690..2935		
Seq. No.	25583	Seq. ID	OJ990414_07.9B12.C43
Gene No.	53080	Strand	+

Start	1	End	1324
Name	OJ990414_07.9B12.C43.o1.gp	Method	AAT/GAP
Start	1	End	1324
GI	none	Score	868
Exons	1..155, 281..452, 930..1035, 1282..1324		

Seq. No.	25583	Seq. ID	OJ990414_07.9B12.C43
Gene No.	53080	Strand	+
Start	1	End	1324
Name	OJ990414_07.9B12.C43.o1.gs	Method	GENSCAN
Start	63	End	485
GI	none	Score	.63
Exons	63..155, 345..485		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53081	Strand	+
Start	1	End	3813
Name	OJ990414_07.9B12.C45.o1.np	Method	AAT/NAP
Start	1	End	3244
GI	6539580	Score	626
Exons	1..394, 486..679, 773..1089, 1588..1841, 2005..2566, 2652..2836, 2937..3020, 3110..3244		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53081	Strand	+
Start	1	End	3813
Name	OJ990414_07.9B12.C45.o1.gs	Method	GENSCAN
Start	341	End	3813
GI	none	Score	.89
Exons	341..394, 486..659, 750..1053, 1132..1223, 1315..1381, 1469..1540, 1675..1892, 2041..2175, 2287..2582, 2665..2836, 3137..3241, 3335..3435, 3522..3711, 3775..3813		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53082	Strand	-
Start	3450	End	5982
Name	OJ990414_07.9B12.C45.o2.np	Method	AAT/NAP
Start	3450	End	5982
GI	6539581	Score	1254
Exons	3450..3532, 4378..5982		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53082	Strand	-
Start	3450	End	5982
Name	OJ990414_07.9B12.C45.o2.gs	Method	GENSCAN
Start	4249	End	5649
GI	none	Score	.77
Exons	4249..4310, 4530..5649		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53082	Strand	-
Start	3450	End	5982
Name	OJ990414_07.9B12.C45.o1.tm	Method	TBLASTX:Maize
Start	5320	End	5944

GI	none	Score	72
Exons	5320..5601, 5626..5943, 5692..5925, 5708..5944		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53082	Strand	-
Start	3450	End	5982
Name	OJ990414_07.9B12.C45.o1.tw	Method	TBLASTX:Wheat
Start	5392	End	5830
GI	none	Score	102
Exons	5392..5613, 5629..5829, 5654..5830		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53082	Strand	-
Start	3450	End	5982
Name	OJ990414_07.9B12.C45.o1.ts	Method	TBLASTX:Soybean
Start	5455	End	5973
GI	none	Score	137
Exons	5455..5625, 5629..5973, 5659..5961, 5717..5962		

Seq. No.	25584	Seq. ID	OJ990414_07.9B12.C45
Gene No.	53082	Strand	-
Start	3450	End	5982
Name	OJ990414_07.9B12.C45.o1.tc	Method	TBLASTX:Cress
Start	5749	End	5982
GI	none	Score	35
Exons	5749..5805, 5749..5979, 5756..5980, 5836..5982		

Seq. No.	25585	Seq. ID	OJ990414_07.9B12.C46
Gene No.	53083	Strand	-
Start	95	End	5143
Name	OJ990414_07.9B12.C46.o1.gs	Method	GENSCAN
Start	95	End	5125
GI	none	Score	.72
Exons	95..238, 629..708, 809..922, 1038..1130, 1342..1425, 1684..1731, 4079..4319, 4793..5125		

Seq. No.	25585	Seq. ID	OJ990414_07.9B12.C46
Gene No.	53083	Strand	-
Start	95	End	5143
Name	OJ990414_07.9B12.C46.o1.tm	Method	TBLASTX:Maize
Start	4783	End	4921
GI	none	Score	150
Exons	4783..4920, 4784..4921		

Seq. No.	25585	Seq. ID	OJ990414_07.9B12.C46
Gene No.	53083	Strand	-
Start	95	End	5143
Name	OJ990414_07.9B12.C46.o1.ts	Method	TBLASTX:Soybean
Start	4789	End	5143
GI	none	Score	129
Exons	4789..4941, 4790..4927, 4960..5031, 4962..5030, 5030..5143		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53084	Strand	-
Start	1	End	2331
Name	OJ990414_07.9B12.C47.o1.np	Method	AAT/NAP
Start	1	End	1127

GI	6630696	Score	1910
Exons	1..1127		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53084	Strand	-
Start	1	End	2331
Name	OJ990414_07.9B12.C47.o1.gs	Method	GENSCAN
Start	122	End	2331
GI	none	Score	.68
Exons	122..270, 381..1018, 1473..1644, 2214..2331		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53084	Strand	-
Start	1	End	2331
Name	OJ990414_07.9B12.C47.o1.gp	Method	AAT/GAP
Start	196	End	1086
GI	101595_1.R1084	Score	1451
Exons	196..270, 386..1086		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53084	Strand	-
Start	1	End	2331
Name	OJ990414_07.9B12.C47.o2.gp	Method	AAT/GAP
Start	1706	End	1994
GI	426253	Score	510
Exons	1706..1994		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53085	Strand	-
Start	3183	End	3762
Name	OJ990414_07.9B12.C47.o1.tm	Method	TBLASTX:Maize
Start	1	End	255
GI	none	Score	343
Exons	1..255, 2..253		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53085	Strand	-
Start	3183	End	3762
Name	OJ990414_07.9B12.C47.o2.tm	Method	TBLASTX:Maize
Start	778	End	1086
GI	none	Score	110
Exons	778..1086, 781..957, 843..986, 857..1039		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53085	Strand	-
Start	3183	End	3762
Name	OJ990414_07.9B12.C47.o1.tw	Method	TBLASTX:Wheat
Start	837	End	1232
GI	none	Score	145
Exons	837..968, 838..1059, 857..1084, 1098..1232		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47

Gene No.	53085	Strand	-
Start	3183	End	3762
Name	OJ990414_07.9B12.C47.o2.gs	Method	GENSCAN
Start	3183	End	3762
GI	none	Score	.89
Exons	3183..3573, 3602..3762		

Seq. No.	25586	Seq. ID	OJ990414_07.9B12.C47
Gene No.	53085	Strand	-
Start	3183	End	3762
Name	OJ990414_07.9B12.C47.o1.ts	Method	TBLASTX:Soybean
Start	3213	End	3624
GI	none	Score	97
Exons	3213..3344, 3214..3363, 3445..3525, 3453..3524, 3520..3570, 3547..3570, 3583..3624		

Seq. No.	25587	Seq. ID	OJ990414_07.9B12.C50
Gene No.	53086	Strand	-
Start	1	End	629
Name	OJ990414_07.9B12.C50.o1.np	Method	AAT/NAP
Start	1	End	629
GI	1495768	Score	182
Exons	1..50, 112..238, 346..629		
GI Descrip.	(Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]		

Seq. No.	25587	Seq. ID	OJ990414_07.9B12.C50
Gene No.	53086	Strand	-
Start	1	End	629
Name	OJ990414_07.9B12.C50.o1.gp	Method	AAT/GAP
Start	95	End	480
GI	60632_1.R1084	Score	442
Exons	95..238, 346..480		
GI Descrip.	'1495768/emb|CAA92823| 1.0e-39 (Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]'		

Seq. No.	25587	Seq. ID	OJ990414_07.9B12.C50
Gene No.	53086	Strand	-
Start	1	End	629
Name	OJ990414_07.9B12.C50.o1.ts	Method	TBLASTX:Soybean
Start	113	End	475
GI	none	Score	71
Exons	113..220, 114..221, 334..471, 340..471, 344..475, 344..475		

Seq. No.	25587	Seq. ID	OJ990414_07.9B12.C50
Gene No.	53086	Strand	-
Start	1	End	629
Name	OJ990414_07.9B12.C50.o1.gs	Method	GENSCAN
Start	116	End	474
GI	none	Score	.81
Exons	116..238, 346..474		

Seq. No.	25587	Seq. ID	OJ990414_07.9B12.C50
Gene No.	53086	Strand	-
Start	1	End	629
Name	OJ990414_07.9B12.C50.o1.tm	Method	TBLASTX:Maize
Start	155	End	421

GI	none	Score	94
Exons	155..241, 156..239, 160..240,	340..420,	344..421

Seq. No.	25588	Seq. ID	OJ990414_07.9B12.C53
Gene No.	53087	Strand	+
Start	1	End	505
Name	OJ990414_07.9B12.C53.o1.np	Method	AAT/NAP
Start	1	End	299
GI	5262169	Score	300
Exons	1..299		
GI Descrip.	(AL080253) UDP-glucose 4-epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	25588	Seq. ID	OJ990414_07.9B12.C53
Gene No.	53087	Strand	+
Start	1	End	505
Name	OJ990414_07.9B12.C53.o1.gs	Method	GENSCAN
Start	76	End	505
GI	none	Score	.71
Exons	76..247, 455..505		

Seq. No.	25588	Seq. ID	OJ990414_07.9B12.C53
Gene No.	53088	Strand	-
Start	157	End	599
Name	OJ990414_07.9B12.C53.o1.ts	Method	TBLASTX:Soybean
Start	58	End	435
GI	none	Score	53
Exons	58..279, 74..271, 75..293, 88..285, 409..435		

Seq. No.	25588	Seq. ID	OJ990414_07.9B12.C53
Gene No.	53088	Strand	-
Start	157	End	599
Name	OJ990414_07.9B12.C53.o1.tm	Method	TBLASTX:Maize
Start	59	End	479
GI	none	Score	308
Exons	59..385, 73..390, 74..325, 75..416, 411..479		

Seq. No.	25588	Seq. ID	OJ990414_07.9B12.C53
Gene No.	53088	Strand	-
Start	157	End	599
Name	OJ990414_07.9B12.C53.o1.gp	Method	AAT/GAP
Start	157	End	599
GI	55796_1.R1084	Score	874
Exons	157..599		
GI Descrip.	'5852089/emb|CAB55396.1| 1.0e-15 (AL117264) zwh12.1 [Oryza sativa]'		

Seq. No.	25589	Seq. ID	OJ990414_07.9B12.C54
Gene No.	53089	Strand	+
Start	1	End	562
Name	OJ990414_07.9B12.C54.o1.np	Method	AAT/NAP
Start	1	End	562
GI	5103843	Score	368
Exons	1..138, 301..562		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	25589	Seq. ID	OJ990414_07.9B12.C54
Gene No.	53090	Strand	-
Start	386	End	556
Name	OJ990414_07.9B12.C54.o1.tm	Method	TBLASTX:Maize
Start	47	End	532
GI	none	Score	148
Exons	47..139, 47..139, 271..501, 298..498, 497..532		

Seq. No.	25589	Seq. ID	OJ990414_07.9B12.C54
Gene No.	53090	Strand	-
Start	386	End	556
Name	OJ990414_07.9B12.C54.o1.ts	Method	TBLASTX:Soybean
Start	47	End	556
GI	none	Score	140
Exons	47..139, 47..139, 277..486, 298..498, 299..556, 374..547		

Seq. No.	25589	Seq. ID	OJ990414_07.9B12.C54
Gene No.	53090	Strand	-
Start	386	End	556
Name	OJ990414_07.9B12.C54.o1.tc	Method	TBLASTX:Cress
Start	298	End	550
GI	none	Score	234
Exons	298..492, 299..550, 317..535, 373..546		

Seq. No.	25589	Seq. ID	OJ990414_07.9B12.C54
Gene No.	53090	Strand	-
Start	386	End	556
Name	OJ990414_07.9B12.C54.o1.gs	Method	GENSCAN
Start	386	End	475
GI	none	Score	.52
Exons	386..475		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53091	Strand	+
Start	8902	End	15295
Name	OJ990914_07.9B08.C2.o3.gs	Method	GENSCAN
Start	8902	End	15295
GI	none	Score	.81
Exons	8902..9976, 10070..10420, 10464..10785, 10799..11409, 11514..11722, 11762..12085, 12167..12367, 12437..12750, 12856..13190, 13444..14362, 14545..15295		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53091	Strand	+
Start	8902	End	15295
Name	OJ990914_07.9B08.C2.o2.np	Method	AAT/NAP
Start	12176	End	15292
GI	5902445	Score	3035
Exons	12176..14009, 14049..15292		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53092	Strand	+
Start	20580	End	22622
Name	OJ990914_07.9B08.C2.o5.gs	Method	GENSCAN
Start	20580	End	22622
GI	none	Score	.89

Exons 20580..20600, 21700..21994, 22042..22622

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53093	Strand	+
Start	23146	End	27587
Name	OJ990914_07.9B08.C2.o5.np	Method	AAT/NAP
Start	23146	End	27587
GI	5042463	Score	115
Exons	23146..23189, 24735..24971, 25633..25764, 25816..25897, 27302..27587		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53094	Strand	+
Start	38220	End	47374
Name	OJ990914_07.9B08.C2.o8.gs	Method	GENSCAN
Start	38220	End	47374
GI	none	Score	.57
Exons	38220..38481, 39154..39242, 39758..39929, 40164..40241, 40524..40708, 41326..41722, 42206..42864, 42943..43389, 43477..44363, 44442..44612, 44695..44910, 46106..46824, 46848..47374		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53094	Strand	+
Start	38220	End	47374
Name	OJ990914_07.9B08.C2.o7.np	Method	AAT/NAP
Start	39013	End	42861
GI	4680203	Score	1194
Exons	39013..40669, 42805..42861		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53095	Strand	+
Start	75334	End	76692
Name	OJ990914_07.9B08.C2.o14.gs	Method	GENSCAN
Start	75334	End	76692
GI	none	Score	.75
Exons	75334..76692		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53095	Strand	+
Start	75334	End	76692
Name	OJ990914_07.9B08.C2.o4.gp	Method	AAT/GAP
Start	76082	End	76415
GI	286643	Score	636
Exons	76082..76415		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53096	Strand	-
Start	3685	End	5180
Name	OJ990914_07.9B08.C2.o1.gs	Method	GENSCAN
Start	3685	End	5088
GI	none	Score	1
Exons	3685..5088		

Seq. No. 25590 Seq. ID OJ990914_07.9B08.C2

Gene No.	53096	Strand	-
Start	3685	End	5180
Name	OJ990914_07.9B08.C2.o1.gp	Method	AAT/GAP
Start	4831	End	5180
GI	none	Score	692
Exons	4831..5180		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53097	Strand	-
Start	6855	End	7249
Name	OJ990914_07.9B08.C2.o2.gs	Method	GENSCAN
Start	6855	End	7249
GI	none	Score	.42
Exons	6855..6997, 7114..7249		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53098	Strand	-
Start	15510	End	19643
Name	OJ990914_07.9B08.C2.o4.np	Method	AAT/NAP
Start	15510	End	18702
GI	6691716	Score	135
Exons	15510..15545, 18243..18702		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53098	Strand	-
Start	15510	End	19643
Name	OJ990914_07.9B08.C2.o4.gs	Method	GENSCAN
Start	15925	End	19643
GI	none	Score	.72
Exons	15925..16058, 16296..16424, 16535..16680, 16817..17211, 17236..17581, 17655..17713, 17784..17975, 18043..18167, 18579..18719, 18932..19002, 19236..19348, 19507..19631, 19637..19643		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53098	Strand	-
Start	15510	End	19643
Name	OJ990914_07.9B08.C2.o3.np	Method	AAT/NAP
Start	16816	End	18039
GI	6721561	Score	1185
Exons	16816..17581, 17655..17713, 17784..18039		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53099	Strand	-
Start	24330	End	28847
Name	OJ990914_07.9B08.C2.o6.gs	Method	GENSCAN
Start	24330	End	28836
GI	none	Score	.47
Exons	24330..24353, 27415..28836		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53099	Strand	-
Start	24330	End	28847
Name	OJ990914_07.9B08.C2.o2.gp	Method	AAT/GAP
Start	28429	End	28847
GI	2428673	Score	658
Exons	28429..28847		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53100	Strand	-
Start	31065	End	36636
Name	OJ990914_07.9B08.C2.o7.gs	Method	GENSCAN
Start	31065	End	36636
GI	none	Score	.85
Exons	31065..31128, 31192..31336, 31495..31708, 32303..32517, 34007..34081, 36019..36252, 36456..36636		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53101	Strand	-
Start	47946	End	48273
Name	OJ990914_07.9B08.C2.o9.gs	Method	GENSCAN
Start	47946	End	48273
GI	none	Score	.67
Exons	47946..48053, 48181..48273		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53102	Strand	-
Start	50324	End	53013
Name	OJ990914_07.9B08.C2.o10.gs	Method	GENSCAN
Start	50324	End	52988
GI	none	Score	.4
Exons	50324..50637, 50845..50907, 51487..51566, 51588..52144, 52164..52988		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53102	Strand	-
Start	50324	End	53013
Name	OJ990914_07.9B08.C2.o3.gp	Method	AAT/GAP
Start	52672	End	53013
GI	none	Score	583
Exons	52672..53013		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53103	Strand	-
Start	63407	End	69214
Name	OJ990914_07.9B08.C2.o9.np	Method	AAT/NAP
Start	63407	End	69214
GI	6552735	Score	897
Exons	63407..63457, 65570..65854, 66269..66563, 66633..67348, 67481..68149, 69087..69214		
GI Descrip.	(AC013482) T26F17.17 [Arabidopsis thaliana]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53103	Strand	-
Start	63407	End	69214
Name	OJ990914_07.9B08.C2.o8.np	Method	AAT/NAP

Start	63892	End	67337
GI	4914370	Score	720
Exons	63892..63921, 65570..65854, 66269..67337		
GI Descrip.	(AC007584) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o5.tm	Method	TBLASTX:Maize
Start	4315	End	76023
GI	none	Score	59
Exons	4315..4383, 4315..4398, 4402..4491, 4429..4491, 4480..4614, 4481..4615, 4600..4716, 4624..4701, 28048..28107, 28177..28233, 28222..28356, 28253..28357, 28342..28458, 28366..28452, 46376..46477, 46382..46471, 46516..46587, 46517..46588, 46637..46759, 52194..52265, 52194..52292, 52311..52376, 52365..52499, 52366..52500, 52485..52601, 52509..52595, 62065..62169, 62071..62133, 62166..62249, 62167..62259, 75619..75735, 75625..75711, 75720..75854, 75721..75855, 75814..76023, 75841..76023		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o12.tw	Method	TBLASTX:Wheat
Start	10499	End	10844
GI	none	Score	87
Exons	10499..10591, 10510..10560, 10571..10672, 10669..10758, 10673..10741, 10752..10844		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o4.tw	Method	TBLASTX:Wheat
Start	11474	End	11929
GI	none	Score	147
Exons	11474..11656, 11482..11655, 11693..11929, 11695..11811		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o1.tw	Method	TBLASTX:Wheat
Start	12121	End	12577
GI	none	Score	538
Exons	12121..12576, 12122..12577		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	12251	End	12607
GI	none	Score	398
Exons	12251..12607, 12321..12533, 12337..12606		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-

Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o3.tm	Method	TBLASTX:Maize
Start	12635	End	13018
GI	none	Score	330
Exons	12635..13018, 12695..12907, 12739..13017		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o2.tw	Method	TBLASTX:Wheat
Start	12692	End	13116
GI	none	Score	463
Exons	12692..13114, 12695..13096, 12739..13116		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o2.ts	Method	TBLASTX:Soybean
Start	12770	End	13171
GI	none	Score	311
Exons	12770..13171, 12772..12930		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o7.tw	Method	TBLASTX:Wheat
Start	13259	End	13667
GI	none	Score	200
Exons	13259..13486, 13260..13484, 13494..13667, 13532..13666		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o7.ts	Method	TBLASTX:Soybean
Start	13383	End	13766
GI	none	Score	81
Exons	13383..13508, 13515..13766		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o11.tw	Method	TBLASTX:Wheat
Start	13670	End	14026
GI	none	Score	214
Exons	13670..14026, 13671..13964		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o4.tm	Method	TBLASTX:Maize
Start	14169	End	14474
GI	none	Score	325
Exons	14169..14474, 14186..14473		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023

Name	OJ990914_07.9B08.C2.o5.tw	Method	TBLASTX:Wheat
Start	14169	End	14552
GI	none	Score	359
Exons	14169..14552, 14177..14551		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o7.tm	Method	TBLASTX:Maize
Start	14624	End	66741
GI	none	Score	86
Exons	14624..14782, 66262..66741		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o3.tw	Method	TBLASTX:Wheat
Start	14674	End	15282
GI	none	Score	61
Exons	14674..14931, 14675..15127, 14680..14778, 14824..14931, 15152..15280, 15157..15282		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o9.tm	Method	TBLASTX:Maize
Start	14981	End	15247
GI	none	Score	159
Exons	14981..15163, 15164..15247		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o8.tw	Method	TBLASTX:Wheat
Start	39429	End	39919
GI	none	Score	192
Exons	39429..39734, 39461..39661, 39746..39787, 39796..39906, 39800..39919		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o3.ts	Method	TBLASTX:Soybean
Start	39444	End	39778
GI	none	Score	47
Exons	39444..39491, 39449..39499, 39497..39715, 39498..39737, 39746..39778		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o5.ts	Method	TBLASTX:Soybean
Start	39799	End	40066
GI	none	Score	217
Exons	39799..40065, 39803..40066		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2

Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o1.tc	Method	TBLASTX:Cress
Start	39800	End	40147
GI	none	Score	309
Exons	39800..40147, 39805..39954, 39994..40146		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o6.tw	Method	TBLASTX:Wheat
Start	39934	End	40234
GI	none	Score	318
Exons	39934..40182, 39935..40234, 39974..40195		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o2.tm	Method	TBLASTX:Maize
Start	39986	End	40435
GI	none	Score	238
Exons	39986..40204, 39992..40234, 40240..40419, 40241..40435		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o6.ts	Method	TBLASTX:Soybean
Start	40271	End	40504
GI	none	Score	213
Exons	40271..40504		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o8.tm	Method	TBLASTX:Maize
Start	40580	End	40801
GI	none	Score	212
Exons	40580..40801		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o9.tw	Method	TBLASTX:Wheat
Start	66268	End	66699
GI	none	Score	64
Exons	66268..66699, 66461..66613		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o4.ts	Method	TBLASTX:Soybean
Start	66502	End	66834
GI	none	Score	103
Exons	66502..66834, 66527..66760, 66661..66738		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-

Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o2.tc	Method	TBLASTX:Cress
Start	67809	End	68105
GI	none	Score	191
Exons	67809..68105		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o10.tw	Method	TBLASTX:Wheat
Start	69205	End	73514
GI	none	Score	63
Exons	69205..69297, 73161..73502, 73170..73514		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o13.gs	Method	GENSCAN
Start	71112	End	74806
GI	none	Score	.61
Exons	71112..71232, 71545..71696, 73061..73077, 73676..73876, 74010..74060, 74156..74342, 74466..74599, 74713..74806		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o10.np	Method	AAT/NAP
Start	71388	End	75453
GI	6815107	Score	654
Exons	71388..71405, 73088..74330, 75339..75453		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o6.tm	Method	TBLASTX:Maize
Start	73170	End	73535
GI	none	Score	73
Exons	73170..73535, 73333..73512		

Seq. No.	25590	Seq. ID	OJ990914_07.9B08.C2
Gene No.	53104	Strand	-
Start	71112	End	76023
Name	OJ990914_07.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	73173	End	73688
GI	none	Score	144
Exons	73173..73688, 73173..73688		

Seq. No.	25591	Seq. ID	OJ990914_07.9B08.C3
Gene No.	53105	Strand	+
Start	394	End	2586
Name	OJ990914_07.9B08.C3.o1.gs	Method	GENSCAN
Start	394	End	2586
GI	none	Score	.58
Exons	394..511, 1359..1495, 1902..2020, 2505..2586		

Seq. No.	25591	Seq. ID	OJ990914_07.9B08.C3
Gene No.	53106	Strand	+
Start	7961	End	10405
Name	OJ990914_07.9B08.C3.o3.gp	Method	AAT/GAP
Start	7961	End	8342
GI	uC-osflcyp033a04b1	Score	655
Exons	7961..8342		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	25591	Seq. ID	OJ990914_07.9B08.C3
Gene No.	53106	Strand	+
Start	7961	End	10405
Name	OJ990914_07.9B08.C3.o3.np	Method	AAT/NAP
Start	8051	End	10405
GI	6815109	Score	189
Exons	8051..8219, 9596..10099, 10155..10405		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25591	Seq. ID	OJ990914_07.9B08.C3
Gene No.	53107	Strand	-
Start	4843	End	4946
Name	OJ990914_07.9B08.C3.o1.gp	Method	AAT/GAP
Start	4843	End	4946
GI	uC-osflcyp088b12b1	Score	135
Exons	4843..4946		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25591	Seq. ID	OJ990914_07.9B08.C3
Gene No.	53108	Strand	-
Start	6599	End	7032
Name	OJ990914_07.9B08.C3.o1.np	Method	AAT/NAP
Start	6599	End	7032
GI	4680185	Score	511
Exons	6599..7032		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25591	Seq. ID	OJ990914_07.9B08.C3
Gene No.	53109	Strand	-
Start	7889	End	10405
Name	OJ990914_07.9B08.C3.o2.np	Method	AAT/NAP
Start	7889	End	10405
GI	4680186	Score	276
Exons	7889..8094, 8933..8994, 10354..10405		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53110	Strand	+
Start	1	End	7899
Name	OJ990914_07.9B08.C4.o1.np	Method	AAT/NAP
Start	1	End	7899
GI	5803251	Score	150
Exons	1..28, 972..1004, 5351..5713, 7859..7899		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4

Gene No.	53110	Strand	+
Start	1	End	7899
Name	OJ990914_07.9B08.C4.o1.gs	Method	GENSCAN
Start	95	End	735
GI	none	Score	.96
Exons	95..110, 647..735		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53110	Strand	+
Start	1	End	7899
Name	OJ990914_07.9B08.C4.o1.gp	Method	AAT/GAP
Start	4874	End	4935
GI	uC-osflcyp111c03a1	Score	82
Exons	4874..4935		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 4.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53111	Strand	+
Start	11516	End	12671
Name	OJ990914_07.9B08.C4.o4.gs	Method	GENSCAN
Start	11516	End	12671
GI	none	Score	.96
Exons	11516..11636, 12562..12671		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53112	Strand	-
Start	1	End	14973
Name	OJ990914_07.9B08.C4.o2.np	Method	AAT/NAP
Start	1	End	5941
GI	2104712	Score	134
Exons	1..45, 5397..5941		
GI Descrip.	(U95180) endosperm specific protein [Zea mays]		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53112	Strand	-
Start	1	End	14973
Name	OJ990914_07.9B08.C4.o1.ts	Method	TBLASTX:Soybean
Start	3617	End	3872
GI	none	Score	197
Exons	3617..3715, 3618..3872, 3783..3866		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53112	Strand	-
Start	1	End	14973
Name	OJ990914_07.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	3618	End	3872
GI	none	Score	249
Exons	3618..3872, 3620..3853, 3750..3863		

Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53112	Strand	-
Start	1	End	14973
Name	OJ990914_07.9B08.C4.o3.np	Method	AAT/NAP
Start	5764	End	14973
GI	5042463	Score	100
Exons	5764..5793, 9856..9934, 9984..10152, 12588..12727, 13784..13845,		

	14805..14973		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	25592	Seq. ID	OJ990914_07.9B08.C4
Gene No.	53112	Strand	-
Start	1	End	14973
Name	OJ990914_07.9B08.C4.o5.gs	Method	GENSCAN
Start	13991	End	14350
GI	none	Score	.9
Exons	13991..14099, 14316..14350		
Seq. No.	25593	Seq. ID	OJ990914_01.9B05.C2
Gene No.	53113	Strand	+
Start	1	End	1447
Name	OJ990914_01.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	1447
GI	6539580	Score	795
Exons	1..63, 194..276, 360..455, 558..606, 732..970, 1429..1447		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	25593	Seq. ID	OJ990914_01.9B05.C2
Gene No.	53113	Strand	+
Start	1	End	1447
Name	OJ990914_01.9B05.C2.o1.gs	Method	GENSCAN
Start	194	End	970
GI	none	Score	.84
Exons	194..276, 360..455, 558..606, 732..970		
Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53114	Strand	+
Start	1	End	1650
Name	OJ990914_01.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	279
GI	6539580	Score	312
Exons	1..74, 145..279		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53114	Strand	+
Start	1	End	1650
Name	OJ990914_01.9B05.C3.o1.gs	Method	GENSCAN
Start	145	End	1650
GI	none	Score	.63
Exons	145..276, 404..507, 1464..1650		
Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o2.gs	Method	GENSCAN
Start	2025	End	2959
GI	none	Score	.55
Exons	2025..2212, 2305..2959		
Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o2.np	Method	AAT/NAP

Start	2066	End	4186
GI	6539581	Score	3243
Exons	2066..2212, 2291..4186		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	3197	End	3814
GI	none	Score	98
Exons	3197..3478, 3548..3778, 3548..3814, 3603..3791		

Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	3269	End	3668
GI	none	Score	62
Exons	3269..3667, 3573..3668		

Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	3332	End	3873
GI	none	Score	81
Exons	3332..3460, 3548..3814, 3603..3791, 3814..3873, 3814..3873		

Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	3767	End	4056
GI	none	Score	162
Exons	3767..3820, 3820..4056		

Seq. No.	25594	Seq. ID	OJ990914_01.9B05.C3
Gene No.	53115	Strand	-
Start	2025	End	4186
Name	OJ990914_01.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	3910	End	4162
GI	none	Score	54
Exons	3910..4155, 3912..3995, 4013..4162		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53116	Strand	+
Start	1932	End	11941
Name	OJ990914_01.9B05.C4.o1.np	Method	AAT/NAP
Start	1932	End	11941
GI	4467148	Score	130
Exons	1932..1962, 5484..5768, 6592..6702, 6836..6952, 7065..7298, 11831..11941		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4

Gene No.	53116	Strand	+
Start	1932	End	11941
Name	OJ990914_01.9B05.C4.o2.gs	Method	GENSCAN
Start	5442	End	11920
GI	none	Score	.9
Exons	5442..5768, 6592..6702, 6836..6952, 7065..7223, 7646..7780, 8099..8251, 8341..8462, 8582..9524, 9825..10946, 11041..11367, 11462..11542, 11632..11700, 11792..11920		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53116	Strand	+
Start	1932	End	11941
Name	OJ990914_01.9B05.C4.o2.np	Method	AAT/NAP
Start	8383	End	11941
GI	4467147	Score	736
Exons	8383..8436, 10128..10211, 10269..10946, 11041..11367, 11462..11542, 11632..11700, 11801..11941		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53117	Strand	-
Start	143	End	4562
Name	OJ990914_01.9B05.C4.o1.gs	Method	GENSCAN
Start	143	End	4562
GI	none	Score	.8
Exons	143..216, 371..433, 532..630, 1056..1133, 1240..1287, 1364..1423, 1510..1593, 4445..4562		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	9876	End	11141
GI	none	Score	90
Exons	9876..10028, 10112..10378, 10116..10385, 10401..10463, 10403..10465, 10440..10496, 10509..10727, 10535..10729, 10755..10802, 10803..10946, 10836..10946, 10847..10948, 11039..11116, 11040..11141, 11041..11136		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o2.tc	Method	TBLASTX:Cress
Start	10167	End	10463
GI	none	Score	200
Exons	10167..10382, 10172..10384, 10401..10463		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	10230	End	10487
GI	none	Score	132
Exons	10230..10385, 10263..10355, 10337..10486, 10401..10487		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	

Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o3.tc	Method	TBLASTX:Cress
Start	10527	End	10721
GI	none	Score	181
Exons	10527..10721, 10616..10720		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o3.ts	Method	TBLASTX:Soybean
Start	10527	End	10721
GI	none	Score	182
Exons	10527..10721, 10616..10720		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	10749	End	11321
GI	none	Score	60
Exons	10749..10814, 10830..10946, 11041..11160, 11161..11316, 11187..11321		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	10758	End	11848
GI	none	Score	177
Exons	10758..10946, 11041..11136, 11161..11247, 11187..11246, 11253..11375, 11254..11370, 11459..11578, 11629..11703, 11795..11848		

Seq. No.	25595	Seq. ID	OJ990914_01.9B05.C4
Gene No.	53118	Strand	
Start	9876	End	11925
Name	OJ990914_01.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	11161	End	11925
GI	none	Score	211
Exons	11161..11370, 11187..11375, 11459..11578, 11641..11700, 11777..11920, 11792..11920, 11794..11925		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53119	Strand	+
Start	3085	End	5259
Name	OJ990914_01.9B05.C5.o1.gs	Method	GENSCAN
Start	3085	End	5259
GI	none	Score	.99
Exons	3085..3219, 4456..5259		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53120	Strand	+
Start	8158	End	8471
Name	OJ990914_01.9B05.C5.o1.gp	Method	AAT/GAP
Start	8158	End	8471
GI	101990_1.R1084	Score	610
Exons	8158..8471		

GI Descrip. '5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53121	Strand	+
Start	18653	End	23442
Name	OJ990914_01.9B05.C5.o2.gp	Method	AAT/GAP
Start	18626	End	20105
GI	uC-osroM202038g03b1	Score	928
Exons	18626..18930, 19082..19228, 20058..20105		

GI Descrip. '4510403/gb|AAD21490.1| 3.0e-23 (AC006587) putative DNA repair protein [Arabidopsis thaliana]'

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53121	Strand	+
Start	18653	End	23442
Name	OJ990914_01.9B05.C5.o3.gs	Method	GENSCAN
Start	18653	End	23442
GI	none	Score	.83
Exons	18653..18736, 18817..18930, 19082..19228, 19562..19604, 20083..20161, 20247..20483, 20784..20864, 21880..21971, 22050..22166, 22601..22744, 23384..23442		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53121	Strand	+
Start	18653	End	23442
Name	OJ990914_01.9B05.C5.o4.np	Method	AAT/NAP
Start	18653	End	22775
GI	4510403	Score	589
Exons	18653..18736, 18817..18939, 19082..19228, 20058..20161, 20247..20339, 20790..20864, 21705..21768, 21908..21971, 22047..22166, 22601..22775		

GI Descrip. (AC006587) putative RAD51B-like DNA repair protein [Arabidopsis thaliana]

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53122	Strand	+
Start	28740	End	28825
Name	OJ990914_01.9B05.C5.o5.np	Method	AAT/NAP
Start	28740	End	28825
GI	5852084	Score	76
Exons	28740..28825		

GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53123	Strand	-
Start	1	End	16307
Name	OJ990914_01.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	8133
GI	6539580	Score	1655
Exons	1..93, 181..808, 915..1038, 1160..1261, 1380..1475, 3295..3411, 8089..8133		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53123	Strand	-
Start	1	End	16307

Name	OJ990914_01.9B05.C5.o2.gs	Method	GENSCAN
Start	6994	End	16307
GI	none	Score	.72
Exons	6994..7133, 8106..8248, 8261..8767, 9013..9140, 9386..9469, 10219..10235, 10321..10678, 10802..11406, 11449..11578, 12361..12450, 12535..12569, 12650..12931, 13528..13728, 13895..13985, 15969..15992, 16149..16307		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	8274	End	9260
GI	none	Score	236
Exons	8274..8402, 8275..8427, 8488..8709, 8488..8583, 8490..8591, 8813..8929, 8814..8915, 9027..9251, 9029..9259, 9030..9260		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	8278	End	9194
GI	none	Score	208
Exons	8278..8427, 8283..8390, 8488..8709, 8496..8591, 8676..8708, 8813..8926, 8814..8915, 9029..9187, 9030..9194		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	8281	End	8580
GI	none	Score	210
Exons	8281..8427, 8283..8390, 8488..8580, 8496..8579		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o2.tc	Method	TBLASTX:Cress
Start	9087	End	9532
GI	none	Score	169
Exons	9087..9263, 9092..9259, 9386..9532, 9427..9504		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	9194	End	9538
GI	none	Score	106
Exons	9194..9259, 9195..9263, 9386..9535, 9386..9538		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	9386	End	9529
GI	none	Score	190
Exons	9386..9529, 9388..9507		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	10800	End	11211
GI	none	Score	82
Exons	10800..10871, 10802..10885, 10887..10928, 10935..11210, 10936..11211		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	21892	End	22168
GI	none	Score	121
Exons	21892..21969, 21893..21970, 21894..21971, 22029..22154, 22031..22168, 22039..22167		

Seq. No.	25596	Seq. ID	OJ990914_01.9B05.C5
Gene No.	53124	Strand	-
Start	25342	End	28367
Name	OJ990914_01.9B05.C5.o4.gs	Method	GENSCAN
Start	25342	End	28367
GI	none	Score	.47
Exons	25342..25520, 27232..27323, 28282..28367		

Seq. No.	25597	Seq. ID	OJ990914_01.9B05.C6
Gene No.	53125	Strand	+
Start	118	End	10508
Name	OJ990914_01.9B05.C6.o1.gs	Method	GENSCAN
Start	118	End	4909
GI	none	Score	.7
Exons	118..155, 705..840, 1297..1436, 3093..3284, 3841..3921, 4712..4909		

Seq. No.	25597	Seq. ID	OJ990914_01.9B05.C6
Gene No.	53125	Strand	+
Start	118	End	10508
Name	OJ990914_01.9B05.C6.o1.gp	Method	AAT/GAP
Start	3962	End	10508
GI	none	Score	690
Exons	3962..4033, 7408..7485, 10288..10508		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53126	Strand	+
Start	4707	End	5154
Name	OJ990914_01.9B05.C7.o1.gp	Method	AAT/GAP
Start	4707	End	5154
GI	none	Score	781
Exons	4707..5154		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53127	Strand	+
Start	5209	End	8597
Name	OJ990914_01.9B05.C7.o1.gs	Method	GENSCAN
Start	5209	End	7165

GI	none	Score	.82
Exons	5209..5930, 6032..6184, 6706..6809, 6936..7165		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53127	Strand	+
Start	5209	End	8597
Name	OJ990914_01.9B05.C7.o1.np	Method	AAT/NAP
Start	5221	End	8541
GI	5360996	Score	763
Exons	5221..5375, 5677..5800, 5900..5930, 6020..6253, 6706..6809, 6930..7084, 7479..7576, 8336..8541		
GI Descrip.	(AF134116) APETALA2 protein homolog HAP2 [Hyacinthus orientalis]		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53127	Strand	+
Start	5209	End	8597
Name	OJ990914_01.9B05.C7.o2.gp	Method	AAT/GAP
Start	5900	End	6216
GI	38368_1.R1084	Score	440
Exons	5900..5930, 6020..6216		
GI Descrip.	'5360996/gb|AAD22495.3|AF134116_1 1.0e-43 (AF134116) APETALA2 protein homolog HAP2 [Hyacinthus orientalis]'		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53127	Strand	+
Start	5209	End	8597
Name	OJ990914_01.9B05.C7.o3.gp	Method	AAT/GAP
Start	7463	End	8597
GI	427895	Score	7.28
Exons	7463..7574, 8325..8597		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53128	Strand	+
Start	15768	End	18503
Name	OJ990914_01.9B05.C7.o3.gs	Method	GENSCAN
Start	15768	End	18472
GI	none	Score	.55
Exons	15768..15843, 16649..16705, 16928..17102, 17299..17388, 17767..18472		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53128	Strand	+
Start	15768	End	18503
Name	OJ990914_01.9B05.C7.o2.np	Method	AAT/NAP
Start	16809	End	18470
GI	3298441	Score	383
Exons	16809..16986, 17966..18470		
GI Descrip.	(AB010879) chloroplast ribosomal protein L10 [Nicotiana tabacum]		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53128	Strand	+
Start	15768	End	18503
Name	OJ990914_01.9B05.C7.o5.gp	Method	AAT/GAP
Start	17860	End	18503
GI	74245_1.R1084	Score	1100
Exons	17860..18503		
GI Descrip.	'3298441/dbj|BAA31511| 5.0e-33 (AB010879) chloroplast ribosomal		

protein L10 [Nicotiana tabacum]'

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53129	Strand	+
Start	24967	End	30957
Name	OJ990914_01.9B05.C7.o5.gs	Method	GENSCAN
Start	24967	End	30957
GI	none	Score	.47
Exons	24967..25182, 25197..25227, 26140..26349, 26619..26742, 27476..27668, 28827..28966, 30909..30957		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53129	Strand	+
Start	24967	End	30957
Name	OJ990914_01.9B05.C7.o5.np	Method	AAT/NAP
Start	25011	End	29899
GI	1707642	Score	233
Exons	25011..25044, 26085..26742, 26868..27182, 29825..29899		
GI Descrip.	(Y07748) TMK [Oryza sativa]		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53129	Strand	+
Start	24967	End	30957
Name	OJ990914_01.9B05.C7.o4.np	Method	AAT/NAP
Start	26125	End	29685
GI	2213607	Score	209
Exons	26125..26742, 26868..27128, 29666..29685		
GI Descrip.	(AC000103) F21J9.1 [Arabidopsis thaliana]		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53130	Strand	+
Start	31980	End	36872
Name	OJ990914_01.9B05.C7.o6.gs	Method	GENSCAN
Start	31980	End	36692
GI	none	Score	.74
Exons	31980..32089, 32618..32820, 33096..33214, 33292..33368, 33711..33798, 34653..34734, 34959..35008, 36531..36692		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53130	Strand	+
Start	31980	End	36872
Name	OJ990914_01.9B05.C7.o6.np	Method	AAT/NAP
Start	33711	End	36824
GI	6226358	Score	178
Exons	33711..33798, 33884..33964, 34052..34108, 34653..34734, 34959..35008, 35306..35362, 35452..35548, 36490..36588, 36715..36824		
GI Descrip.	HYPOTHETICAL 35.0 KD PROTEIN STKORF319 gi|1732028 (AC000101) unknown [Myxococcus xanthus]		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53130	Strand	+
Start	31980	End	36872
Name	OJ990914_01.9B05.C7.o8.gp	Method	AAT/GAP
Start	36500	End	36872
GI	2280938	Score	338
Exons	36500..36588, 36712..36872		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53131	Strand	-
Start	8426	End	11069
Name	OJ990914_01.9B05.C7.o2.gs	Method	GENSCAN
Start	8426	End	11069
GI	none	Score	.58
Exons	8426..8577, 8865..8887, 9871..10086, 10480..10655, 10892..11020, 11049..11069		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	5682	End	8784
GI	none	Score	175
Exons	5682..5801, 5683..5808, 5898..5930, 5899..5931, 6006..6128, 6017..6256, 6018..6254, 6065..6256, 6148..6261, 6483..6530, 6485..6529, 6703..6834, 6704..6787, 6704..6835, 6933..7031, 6941..6985, 6976..7032, 6977..7033, 8483..8524, 8485..8550, 8485..8538, 8545..8637, 8549..8587, 8626..8640, 8764..8784		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	5683	End	6802
GI	none	Score	175
Exons	5683..5808, 5685..5801, 5898..5924, 5900..5923, 6006..6116, 6018..6254, 6020..6259, 6065..6256, 6475..6531, 6703..6771, 6704..6787, 6704..6802		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	5904	End	6811
GI	none	Score	37
Exons	5904..5933, 6017..6262, 6018..6104, 6018..6263, 6469..6531, 6471..6539, 6472..6531, 6695..6811, 6700..6771, 6701..6787, 6704..6787		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	6066	End	6275
GI	none	Score	183
Exons	6066..6275, 6107..6235		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	17993	End	18397
GI	none	Score	256
Exons	17993..18247, 18004..18252, 18232..18327, 18245..18397,		

18266..18397

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	18013	End	18412
GI	none	Score	643
Exons	18013..18372, 18014..18412, 18173..18391		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o4.gs	Method	GENSCAN
Start	18586	End	24058
GI	none	Score	.72
Exons	18586..18701, 19122..19188, 19602..19694, 19795..19938, 20069..20304, 20354..20425, 20627..20868, 21774..21829, 22293..22370, 22822..22890, 22908..23101, 23371..23497, 23918..24058		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	19519	End	20807
GI	none	Score	59
Exons	19519..19560, 19533..19559, 19584..19709, 19599..19712, 19794..19940, 19795..19941, 19805..19939, 20068..20304, 20069..20305, 20070..20306, 20619..20717, 20721..20807		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o3.ts	Method	TBLASTX:Soybean
Start	20129	End	20717
GI	none	Score	64
Exons	20129..20263, 20132..20305, 20151..20306, 20628..20717, 20632..20700		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o2.tc	Method	TBLASTX:Cress
Start	20183	End	22307
GI	none	Score	95
Exons	20183..20305, 20190..20306, 20628..20711, 20711..20908, 20714..20893, 20730..20915, 20730..20930, 22221..22307, 22222..22299		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o4.ts	Method	TBLASTX:Soybean
Start	20736	End	21953
GI	none	Score	117
Exons	20736..20909, 20740..20949, 21263..21295, 21349..21375,		

21838..21876, 21930..21953

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53132	Strand	-
Start	18586	End	24058
Name	OJ990914_01.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	20809	End	21969
GI	none	Score	95
Exons	20809..20907, 20810..20908, 20811..20927, 20812..20916, 21249..21380, 21253..21378, 21263..21469, 21817..21969, 21830..21961, 21834..21965, 21850..21969		

Seq. No.	25598	Seq. ID	OJ990914_01.9B05.C7
Gene No.	53133	Strand	
Start	33125	End	35529
Name	OJ990914_01.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	33125	End	35529
GI	none	Score	68
Exons	33125..33217, 33154..33216, 33286..33378, 33286..33372, 33291..33377, 33693..33797, 33698..33796, 33712..33804, 33713..33805, 33821..33964, 33878..33964, 34048..34125, 34050..34100, 34634..34732, 34634..34744, 34641..34733, 34651..34740, 34952..35026, 35303..35371, 35476..35529		

Seq. No.	25599	Seq. ID	OJ990914_01.9B05.C8
Gene No.	53134	Strand	+
Start	1	End	114
Name	OJ990914_01.9B05.C8.o1.gp	Method	AAT/GAP
Start	1	End	114
GI	2798188	Score	217
Exons	1..114		

Seq. No.	25599	Seq. ID	OJ990914_01.9B05.C8
Gene No.	53135	Strand	-
Start	818	End	12228
Name	OJ990914_01.9B05.C8.o2.gp	Method	AAT/GAP
Start	467	End	781
GI	5004112	Score	578
Exons	467..781		
GI Descrip.	5852077/emb|AL117264.1|OSB6015 4.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015		

Seq. No.	25599	Seq. ID	OJ990914_01.9B05.C8
Gene No.	53135	Strand	-
Start	818	End	12228
Name	OJ990914_01.9B05.C8.o1.gs	Method	GENSCAN
Start	818	End	12228
GI	none	Score	.79
Exons	818..945, 2060..2264, 2349..2547, 3142..3324, 3834..3974, 4654..4816, 7952..8085, 8397..8722, 9465..9735, 10131..10345, 10646..10743, 11084..11192, 12112..12228		

Seq. No.	25599	Seq. ID	OJ990914_01.9B05.C8
Gene No.	53135	Strand	-
Start	818	End	12228
Name	OJ990914_01.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	9189	End	10745

GI	none	Score	35
Exons	9189..9221, 9334..9372, 9390..9446, 9392..9457, 9473..9514, 9474..9524, 9529..9735, 9537..9734, 9556..9765, 10125..10346, 10130..10348, 10130..10384, 10646..10744, 10646..10744, 10647..10745		

Seq. No.	25599	Seq. ID	OJ990914_01.9B05.C8
Gene No.	53135	Strand	-
Start	818	End	12228
Name	OJ990914_01.9B05.C8.o3.gp	Method	AAT/GAP
Start	9223	End	11373
GI	4284_1.R1084	Score	1831
Exons	9223..9735, 10131..10345, 10646..10743, 11233..11373		
GI Descrip.	'1943751 5.0e-49 (U93845) Arabidopsis thaliana ER-type calcium pump protein, complete sequence >gi_2078292 (U96455) ER-type Ca2+-pumping ATPase; ECA1p [Arabidopsis thaliana]'		

Seq. No.	25599	Seq. ID	OJ990914_01.9B05.C8
Gene No.	53135	Strand	-
Start	818	End	12228
Name	OJ990914_01.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	9621	End	10703
GI	none	Score	48
Exons	9621..9734, 10133..10384, 10136..10204, 10227..10394, 10647..10703		

Seq. No.	25600	Seq. ID	OJ990804_08.9B05.C3
Gene No.	53136	Strand	-
Start	1	End	309
Name	OJ990804_08.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	309
GI	3513744	Score	103
Exons	1..309		
GI Descrip.	(AF080118) contains similarity to Medicago truncatula MtN3 (GB:Y08726) [Arabidopsis thaliana]		

Seq. No.	25600	Seq. ID	OJ990804_08.9B05.C3
Gene No.	53137	Strand	-
Start	1085	End	1165
Name	OJ990804_08.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	67	End	423
GI	none	Score	155
Exons	67..291, 70..378, 71..298, 385..423		

Seq. No.	25600	Seq. ID	OJ990804_08.9B05.C3
Gene No.	53137	Strand	-
Start	1085	End	1165
Name	OJ990804_08.9B05.C3.o1.gs	Method	GENSCAN
Start	1085	End	1165
GI	none	Score	.47
Exons	1085..1165		

Seq. No.	25601	Seq. ID	OJ990804_08.9B05.C4
Gene No.	53138	Strand	+
Start	140	End	5195
Name	OJ990804_08.9B05.C4.o1.gs	Method	GENSCAN
Start	140	End	5195

GI	none	Score	.61
Exons	140..210, 2602..2999, 3192..3578, 3652..5195		

Seq. No.	25601	Seq. ID	OJ990804_08.9B05.C4
Gene No.	53138	Strand	+
Start	140	End	5195
Name	OJ990804_08.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	4428	End	4805
GI	none	Score	190
Exons	4428..4805		

Seq. No.	25601	Seq. ID	OJ990804_08.9B05.C4
Gene No.	53138	Strand	+
Start	140	End	5195
Name	OJ990804_08.9B05.C4.o1.np	Method	AAT/NAP
Start	4437	End	4915
GI	4680183	Score	257
Exons	4437..4915		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25602	Seq. ID	OJ990804_08.9B05.C5
Gene No.	53139	Strand	+
Start	3020	End	3241
Name	OJ990804_08.9B05.C5.o1.np	Method	AAT/NAP
Start	3020	End	3241
GI	6721512	Score	58
Exons	3020..3139, 3169..3241		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.gs	Method	GENSCAN
Start	1213	End	14239
GI	none	Score	.55
Exons	1213..1226, 4755..4781, 5225..5409, 5847..6109, 7058..7112, 8832..8994, 9718..9844, 10154..10326, 10347..11030, 11296..12775, 13314..13640, 14225..14239		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	2448	End	9268
GI	none	Score	140
Exons	2448..2513, 8660..8836, 8861..9268, 8919..9173		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.gp	Method	AAT/GAP
Start	2683	End	4819
GI	none	Score	879
Exons	2683..2704, 2768..2963, 3737..3868, 4673..4819		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-

Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	8579	End	9256
GI	none	Score	35
Exons	8579..8608, 8633..9256, 8661..8837, 8666..8995, 8865..9062, 9102..9254		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.np	Method	AAT/NAP
Start	8609	End	12874
GI	2586082	Score	3975
Exons	8609..12874		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o2.np	Method	AAT/NAP
Start	8930	End	15630
GI	3980411	Score	105
Exons	8930..8966, 13331..13636, 15573..15630		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	9020	End	9460
GI	none	Score	55
Exons	9020..9340, 9021..9107, 9080..9331, 9138..9341, 9350..9460		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	9395	End	9841
GI	none	Score	44
Exons	9395..9841, 9441..9488, 9603..9818		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o5.tw	Method	TBLASTX:Wheat
Start	9629	End	9960
GI	none	Score	66
Exons	9629..9832, 9750..9815, 9843..9929, 9928..9960		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	9638	End	10128
GI	5509260	Score	120
Exons	9638..9832, 9651..9815, 9665..9820, 9928..10128		
GI Descrip.	-		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	10723	End	11143
GI	none	Score	84
Exons	10723..10944, 10942..11058, 11054..11143		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o4.tw	Method	TBLASTX:Wheat
Start	10730	End	11053
GI	none	Score	93
Exons	10730..10936, 10732..10935, 10946..11053, 10951..11040		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	10753	End	11149
GI	none	Score	77
Exons	10753..10935, 10754..10936, 10927..11037, 11060..11149		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	11135	End	11566
GI	none	Score	74
Exons	11135..11326, 11348..11476, 11462..11566		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	11646	End	12037
GI	none	Score	239
Exons	11646..12020, 11648..12037		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o5.tm	Method	TBLASTX:Maize
Start	11648	End	11941
GI	none	Score	91
Exons	11648..11941, 11652..11885		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	12206	End	12538
GI	none	Score	68
Exons	12206..12538, 12275..12367, 12309..12515, 12413..12538		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	12353	End	12656
GI	none	Score	154
Exons	12353..12655, 12354..12656		

Seq. No.	25603	Seq. ID	OJ990804_08.9B05.C6
Gene No.	53140	Strand	-
Start	1213	End	15630
Name	OJ990804_08.9B05.C6.o2.gs	Method	GENSCAN
Start	15442	End	15515
GI	none	Score	.82
Exons	15442..15515		

Seq. No.	25604	Seq. ID	OJ990804_08.9B05.C7
Gene No.	53141	Strand	+
Start	1	End	1327
Name	OJ990804_08.9B05.C7.o1.np	Method	AAT/NAP
Start	1	End	1327
GI	6721512	Score	61
Exons	1..24, 332..487, 1287..1327		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53142	Strand	+
Start	191	End	2993
Name	OJ990804_08.9B05.C8.o1.gp	Method	AAT/GAP
Start	108	End	577
GI	20814_1.R1084	Score	843
Exons	108..577		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53142	Strand	+
Start	191	End	2993
Name	OJ990804_08.9B05.C8.o1.gs	Method	GENSCAN
Start	191	End	2993
GI	none	Score	.43
Exons	191..734, 1259..1306, 2941..2993		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53143	Strand	+
Start	3760	End	8086
Name	OJ990804_08.9B05.C8.o2.np	Method	AAT/NAP
Start	3760	End	8086
GI	3176874	Score	46
Exons	3760..3780, 6688..6817, 8037..8086		
GI Descrip.	(AF065639) cucumisin-like serine protease [Arabidopsis thaliana]		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53144	Strand	-
Start	3101	End	11306
Name	OJ990804_08.9B05.C8.o1.np	Method	AAT/NAP
Start	3101	End	7229

GI	6815103	Score	171
Exons	3101..3122, 5085..5285, 5454..5560, 7201..7229		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53144	Strand	-
Start	3101	End	11306
Name	OJ990804_08.9B05.C8.o2.gs	Method	GENSCAN
Start	3499	End	11306
GI	none	Score	.47
Exons	3499..3528, 5454..5567, 5619..5740, 6711..6957, 7085..7367, 8952..9061, 10670..10768, 10782..11306		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53145	Strand	-
Start	12068	End	16453
Name	OJ990804_08.9B05.C8.o3.gs	Method	GENSCAN
Start	12068	End	16409
GI	none	Score	.61
Exons	12068..12140, 12535..12819, 13547..13610, 13738..13789, 14810..14974, 15716..15934, 16326..16409		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53145	Strand	-
Start	12068	End	16453
Name	OJ990804_08.9B05.C8.o2.gp	Method	AAT/GAP
Start	14437	End	16453
GI	13899_1.R1084	Score	1607
Exons	14437..14974, 15716..15934, 16326..16453		
GI Descrip.	'4455351/emb|CAB36761.1| 5.0e-63 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53145	Strand	-
Start	12068	End	16453
Name	OJ990804_08.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	14639	End	16412
GI	none	Score	54
Exons	14639..14677, 14640..14687, 14676..14723, 14677..14727, 14759..14980, 14766..14975, 14783..14977, 14829..14987, 15716..15934, 15723..15917, 16294..16392, 16323..16412		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53145	Strand	-
Start	12068	End	16453
Name	OJ990804_08.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	14759	End	16412
GI	none	Score	234
Exons	14759..14980, 14790..14975, 14832..14987, 14881..14988, 15716..15859, 15717..15860, 15860..15934, 15879..15917, 16317..16412, 16324..16410		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53145	Strand	-
Start	12068	End	16453
Name	OJ990804_08.9B05.C8.o3.np	Method	AAT/NAP
Start	14768	End	16448

GI	4455351	Score	561
Exons	14768..14997, 15712..15934, 16326..16448		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	25605	Seq. ID	OJ990804_08.9B05.C8
Gene No.	53145	Strand	-
Start	12068	End	16453
Name	OJ990804_08.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	14777	End	16409
GI	none	Score	176
Exons	14777..14920, 14778..14921, 14828..14923, 14915..14980, 15716..15739, 15734..15859, 15735..15860, 15860..15934, 15861..15917, 16317..16409		

Seq. No.	25606	Seq. ID	OJ990804_08.9B05.C9
Gene No.	53146	Strand	+
Start	248	End	2706
Name	OJ990804_08.9B05.C9.o1.gs	Method	GENSCAN
Start	248	End	2706
GI	none	Score	.48
Exons	248..272, 2411..2706		

Seq. No.	25606	Seq. ID	OJ990804_08.9B05.C9
Gene No.	53147	Strand	-
Start	4123	End	4708
Name	OJ990804_08.9B05.C9.o2.gs	Method	GENSCAN
Start	4123	End	4708
GI	none	Score	.78
Exons	4123..4238, 4663..4708		

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53148	Strand	+
Start	222	End	5211
Name	OJ990804_08.9B05.C10.o1.gs	Method	GENSCAN
Start	222	End	3662
GI	none	Score	.64
Exons	222..311, 593..687, 3098..3206, 3520..3662		

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53148	Strand	+
Start	222	End	5211
Name	OJ990804_08.9B05.C10.o2.gp	Method	AAT/GAP
Start	1861	End	5211
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	1861..1913, 5159..5211		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53149	Strand	+
Start	5310	End	8806
Name	OJ990804_08.9B05.C10.o1.np	Method	AAT/NAP
Start	5310	End	8806
GI	5295951	Score	142
Exons	5310..5576, 8783..8806		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene,		

partial cds.(U23857) [Oryza sativa]

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53150	Strand	-
Start	1163	End	1316
Name	OJ990804_08.9B05.C10.o1.gp	Method	AAT/GAP
Start	1163	End	1316
GI	2338_1.R1084	Score	79
Exons	1163..1231, 1296..1316		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53151	Strand	-
Start	3857	End	4186
Name	OJ990804_08.9B05.C10.o2.gs	Method	GENSCAN
Start	3857	End	4186
GI	none	Score	.92
Exons	3857..4072, 4097..4186		

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53152	Strand	-
Start	5380	End	7996
Name	OJ990804_08.9B05.C10.o3.gs	Method	GENSCAN
Start	5380	End	7996
GI	none	Score	.79
Exons	5380..5565, 5576..5624, 6569..6883, 7974..7996		

Seq. No.	25607	Seq. ID	OJ990804_08.9B05.C10
Gene No.	53153	Strand	-
Start	9199	End	9912
Name	OJ990804_08.9B05.C10.o4.gs	Method	GENSCAN
Start	9199	End	9912
GI	none	Score	.66
Exons	9199..9336, 9832..9912		

Seq. No.	25608	Seq. ID	OJ990804_08.9B05.C12
Gene No.	53154	Strand	+
Start	2238	End	11713
Name	OJ990804_08.9B05.C12.o1.gs	Method	GENSCAN
Start	2238	End	11453
GI	none	Score	.47
Exons	2238..2276, 2294..2669, 2766..2999, 3505..3645, 4505..4599, 6410..6489, 7291..7518, 10278..10507, 10716..11453		

Seq. No.	25608	Seq. ID	OJ990804_08.9B05.C12
Gene No.	53154	Strand	+
Start	2238	End	11713
Name	OJ990804_08.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	10321	End	11491
GI	none	Score	187
Exons	10321..10509, 10365..10508, 10721..11155, 10777..11145, 11153..11401, 11155..11400, 11414..11491, 11415..11465		

Seq. No.	25608	Seq. ID	OJ990804_08.9B05.C12
Gene No.	53154	Strand	+
Start	2238	End	11713

Name	OJ990804_08.9B05.C12.o1.tc	Method	TBLASTX:Cress
Start	10324	End	11494
GI	none	Score	178
Exons	10324..10509, 10365..10508, 10721..11155, 10801..11031, 11155..11214, 11218..11406, 11222..11401, 11414..11494, 11416..11475		

Seq. No.	25608	Seq. ID	OJ990804_08.9B05.C12
Gene No.	53154	Strand	+
Start	2238	End	11713
Name	OJ990804_08.9B05.C12.o1.np	Method	AAT/NAP
Start	10327	End	11713
GI	5921766	Score	793
Exons	10327..10507, 10716..11713		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	25608	Seq. ID	OJ990804_08.9B05.C12
Gene No.	53154	Strand	+
Start	2238	End	11713
Name	OJ990804_08.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	10360	End	11497
GI	none	Score	162
Exons	10360..10512, 10371..10508, 10721..11155, 10777..11031, 11048..11131, 11153..11401, 11155..11406, 11414..11497, 11416..11496		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53155	Strand	+
Start	2908	End	3018
Name	OJ990804_08.9B05.C13.o1.gs	Method	GENSCAN
Start	2908	End	3018
GI	none	Score	.54
Exons	2908..3018		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53156	Strand	+
Start	4904	End	10045
Name	OJ990804_08.9B05.C13.o3.gs	Method	GENSCAN
Start	4904	End	10045
GI	none	Score	.58
Exons	4904..5011, 6404..6460, 6656..6796, 7465..7663, 9294..9352, 9545..10045		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53157	Strand	-
Start	3603	End	3906
Name	OJ990804_08.9B05.C13.o2.gs	Method	GENSCAN
Start	3603	End	3906
GI	none	Score	.77
Exons	3603..3620, 3757..3906		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o4.gs	Method	GENSCAN
Start	10967	End	18196

GI	none	Score	.5
Exons	10967..11035, 11411..11522, 11621..11777, 11783..11873, 12304..13918, 14099..16370, 16647..16892, 18109..18196		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o2.np	Method	AAT/NAP
Start	12162	End	13663
GI	2865202	Score	554
Exons	12162..13663		
GI Descrip.	(U19263) ORF [Saccharomyces paradoxus]		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o3.np	Method	AAT/NAP
Start	12163	End	16793
GI	4586028	Score	1534
Exons	12163..14888, 14925..16161, 16264..16427, 16599..16793		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o1.np	Method	AAT/NAP
Start	12168	End	16735
GI	2961349	Score	1611
Exons	12168..13733, 13944..14913, 14943..15236, 15876..16144, 16510..16735		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	12235	End	12855
GI	none	Score	65
Exons	12235..12384, 12433..12855, 12488..12568		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	12326	End	12825
GI	none	Score	132
Exons	12326..12577, 12334..12384, 12436..12825, 12457..12636, 12748..12813		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o5.tw	Method	TBLASTX:Wheat
Start	12616	End	12993
GI	none	Score	76

Exons	12616..12846, 12859..12993		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o4.tc	Method	TBLASTX:Cress
Start	12859	End	13131
GI	none	Score	63
Exons	12859..13131, 12916..13125		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	12994	End	13527
GI	none	Score	93
Exons	12994..13194, 13189..13281, 13285..13527, 13400..13513		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	13102	End	13527
GI	none	Score	82
Exons	13102..13281, 13300..13527, 13325..13510		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	13198	End	13701
GI	5509260	Score	87
Exons	13198..13281, 13288..13701, 13289..13570		
GI Descrip.	-		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	13309	End	13570
GI	none	Score	142
Exons	13309..13569, 13310..13570		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o3.tw	Method	TBLASTX:Wheat
Start	13948	End	14212
GI	none	Score	65
Exons	13948..14079, 13985..14083, 13989..14084, 14054..14212, 14074..14211		
Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o2.tc	Method	TBLASTX:Cress
Start	14074	End	14421

GI	none	Score	81
Exons	14074..14412, 14140..14421		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o4.tw	Method	TBLASTX:Wheat
Start	14218	End	14664
GI	none	Score	81
Exons	14218..14664, 14357..14650		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	14242	End	14679
GI	none	Score	291
Exons	14242..14679		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	14272	End	14671
GI	none	Score	101
Exons	14272..14580, 14272..14580, 14576..14671, 14578..14670		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o3.tc	Method	TBLASTX:Cress
Start	14557	End	14838
GI	none	Score	81
Exons	14557..14751, 14558..14725, 14785..14838		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o4.tm	Method	TBLASTX:Maize
Start	14680	End	14988
GI	none	Score	142
Exons	14680..14850, 14681..14851, 14684..14857, 14685..14867, 14877..14987, 14908..14985, 14911..14988		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	14892	End	15268
GI	none	Score	149
Exons	14892..15077, 14908..15111, 14911..15132, 15115..15261, 15116..15268		

Seq. No.	25609	Seq. ID	OJ990804_08.9B05.C13
Gene No.	53158	Strand	-
Start	10967	End	18196
Name	OJ990804_08.9B05.C13.o5.tm	Method	TBLASTX:Maize

Start	16015	End	16251
GI	none	Score	95
Exons	16015..16251, 16036..16176		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53159	Strand	+
Start	526	End	7694
Name	OJ990804_08.9B05.C15.o1.gs	Method	GENSCAN
Start	526	End	7694
GI	none	Score	.65
Exons	526..617, 2974..3092, 3248..3348, 3462..3647, 3678..4247, 4290..4365, 4455..4543, 4655..4685, 4951..5086, 5194..6046, 6149..6973, 7257..7694		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53160	Strand	+
Start	13914	End	15339
Name	OJ990804_08.9B05.C15.o3.gs	Method	GENSCAN
Start	13914	End	15339
GI	none	Score	.96
Exons	13914..14068, 14247..14308, 14430..14565, 14665..14737, 14974..15039, 15124..15339		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o2.gs	Method	GENSCAN
Start	8301	End	11856
GI	none	Score	.67
Exons	8301..10686, 10706..11856		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o1.np	Method	AAT/NAP
Start	8304	End	12174
GI	4206306	Score	2905
Exons	8304..12174		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	8880	End	9254
GI	none	Score	49
Exons	8880..9104, 8887..9105, 9111..9254, 9112..9225		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o2.tm	Method	TBLASTX:Maize
Start	8895	End	9257
GI	none	Score	98
Exons	8895..9257, 8907..9071, 8953..9165		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15

Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o4.tw	Method	TBLASTX:Wheat
Start	9027	End	9416
GI	none	Score	45
Exons	9027..9416, 9109..9150, 9205..9372		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o5.tm	Method	TBLASTX:Maize
Start	9258	End	9524
GI	none	Score	77
Exons	9258..9524, 9259..9399		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o3.tw	Method	TBLASTX:Wheat
Start	9727	End	10158
GI	none	Score	197
Exons	9727..10158, 9735..10157		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o2.ts	Method	TBLASTX:Soybean
Start	9801	End	10160
GI	none	Score	92
Exons	9801..10160, 9802..10149		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o3.ts	Method	TBLASTX:Soybean
Start	10425	End	10721
GI	none	Score	203
Exons	10425..10721		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o2.tw	Method	TBLASTX:Wheat
Start	10434	End	10803
GI	none	Score	104
Exons	10434..10721, 10536..10718, 10540..10719, 10723..10803		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o4.tm	Method	TBLASTX:Maize
Start	10530	End	10860
GI	none	Score	94
Exons	10530..10718, 10540..10719, 10717..10860, 10732..10857		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-

Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	10888	End	11245
GI	none	Score	233
Exons	10888..11244, 10889..11245		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o1.tw	Method	TBLASTX:Wheat
Start	10918	End	11373
GI	none	Score	297
Exons	10918..11373, 10919..11347, 10978..11349		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53161	Strand	-
Start	8301	End	12174
Name	OJ990804_08.9B05.C15.o5.tw	Method	TBLASTX:Wheat
Start	11578	End	11928
GI	none	Score	85
Exons	11578..11799, 11579..11800, 11806..11928		

Seq. No.	25610	Seq. ID	OJ990804_08.9B05.C15
Gene No.	53162	Strand	
Start	14433	End	15360
Name	OJ990804_08.9B05.C15.o3.tm	Method	TBLASTX:Maize
Start	14433	End	15360
GI	none	Score	208
Exons	14433..14558, 14435..14566, 14436..14567, 14438..14566, 14524..14622, 14662..14736, 14663..14737, 14663..14737, 14664..14738, 14971..15039, 14974..15039, 15120..15293, 15121..15360, 15121..15240, 15123..15350		

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53163	Strand	+
Start	1	End	2995
Name	OJ990914_05.9B19.C2.o1.np	Method	AAT/NAP
Start	1	End	2995
GI	6721512	Score	132
Exons	1..241, 1190..1296, 1323..1469, 1511..1544, 2948..2995		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53164	Strand	+
Start	2937	End	8649
Name	OJ990914_05.9B19.C2.o1.gp	Method	AAT/GAP
Start	2937	End	8649
GI	183_3.R1084	Score	4762
Exons	2937..3013, 4146..4499, 4598..4685, 5429..5556, 5634..5825, 5930..6132, 6247..6410, 6539..6619, 6712..6878, 6959..7064, 7217..7467, 7556..7628, 7714..7842, 7933..8649		
GI Descrip.	'1362086/pir||S57636 0.0e+00 5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle >gi_2129919_pir__S65957 5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle		

>gi_886471_emb_CAA58474_ (X83499) methionine synthase [Catharanthus roseus]'

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53164	Strand	+
Start	2937	End	8649
Name	OJ990914_05.9B19.C2.o1.gs	Method	GENSCAN
Start	4150	End	8301
GI	none	Score	.95
Exons	4150..4499, 4598..4685, 5429..5556, 5634..5825, 5930..6132, 6247..6410, 6488..6619, 6712..6878, 6959..7064, 7217..7467, 7556..7628, 7714..7842, 7933..8301		

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53164	Strand	+
Start	2937	End	8649
Name	OJ990914_05.9B19.C2.o2.np	Method	AAT/NAP
Start	4150	End	8298
GI	1362086	Score	3170
Exons	4150..4499, 4598..4685, 5429..5556, 5634..5825, 5930..6132, 6247..6410, 6539..6619, 6712..6878, 6959..7064, 7217..7467, 7556..7628, 7714..7842, 7933..8298		
GI Descrip.	5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle gi|2129919|pir||S65957 5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle gi|886471|emb|CAA58474| (X83499) methionine synthase [Catharanthus roseus]		

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o1.tc	Method	TBLASTX:Cress
Start	4143	End	8333
GI	none	Score	538
Exons	4143..4502, 4147..4497, 4148..4501, 4597..4683, 4598..4684, 4599..4688, 5429..5515, 5429..5563, 5437..5532, 5466..5564, 5626..5826, 5631..5825, 5867..6007, 5924..5992, 5928..6011, 6008..6136, 6012..6137, 6015..6137, 6237..6422, 6245..6409, 6247..6423, 6571..6630, 6572..6625, 6711..6878, 6712..6879, 6734..6898, 6957..7085, 6961..7059, 7214..7468, 7216..7473, 7216..7467, 7553..7630, 7554..7655, 7560..7631, 7713..7841, 7714..7845, 7716..7871, 7924..8301, 7931..8107, 7944..8300, 8001..8333, 8014..8304, 8147..8311		

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o1.ts	Method	TBLASTX:Soybean
Start	4144	End	8291
GI	none	Score	583
Exons	4144..4497, 4145..4498, 4146..4502, 4587..4691, 4599..4688, 5429..5518, 5440..5562, 5470..5544, 5620..5826, 5631..5825, 5633..5827, 5924..5998, 5927..6007, 5928..6008, 5931..6050, 6005..6136, 6012..6137, 6015..6137, 6034..6138, 6237..6422, 6243..6407, 6245..6409, 6538..6621, 6572..6625, 6711..6875,		

6712..6879, 6713..6883, 6955..7050, 6957..7085, 7214..7501,
7214..7465, 7216..7473, 7553..7630, 7560..7631, 7708..7845,
7713..7838, 7747..7842, 7930..8289, 7931..8110, 7938..8291

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	4145	End	8481
GI	none	Score	614

Exons 4145..4498, 4146..4502, 4147..4497, 4587..4685, 4598..4687,
4599..4688, 5428..5556, 5429..5560, 5626..5826, 5631..5819,
5635..5826, 5911..6081, 5927..6136, 5928..6137, 5931..6137,
6237..6422, 6245..6409, 6247..6411, 6473..6631, 6538..6621,
6572..6625, 6711..6878, 6712..6879, 6734..6904, 6957..7085,
6958..7062, 6960..7091, 6961..7092, 7214..7468, 7214..7468,
7216..7470, 7216..7473, 7553..7630, 7560..7631, 7691..7843,
7708..7845, 7712..7840, 7713..7841, 7930..8301, 7938..8312,
7992..8312, 8434..8481

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o3.tw	Method	TBLASTX:Wheat
Start	4145	End	4501
GI	none	Score	371

Exons 4145..4405, 4148..4498, 4150..4497, 4424..4501

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o2.tw	Method	TBLASTX:Wheat
Start	4597	End	6289
GI	none	Score	143

Exons 4597..4683, 4599..4688, 5429..5518, 5429..5587, 5626..5826,
5631..5825, 5636..5830, 5923..6012, 5928..6011, 5934..6014,
5938..6015, 6008..6136, 6012..6137, 6016..6138, 6245..6289,
6246..6287

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o4.tw	Method	TBLASTX:Wheat
Start	6369	End	7001
GI	none	Score	72

Exons 6369..6422, 6371..6409, 6372..6410, 6376..6423, 6538..6621,
6571..6630, 6572..6625, 6711..6878, 6712..6879, 6730..6879,
6958..6996, 6959..7000, 6960..7001

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o1.tw	Method	TBLASTX:Wheat
Start	7006	End	8325
GI	none	Score	96

Exons 7006..7059, 7008..7085, 7214..7468, 7216..7470, 7216..7473,
7553..7633, 7555..7629, 7700..7843, 7708..7845, 7712..7840,

7713..7841, 7747..7842, 7930..8325, 7931..8317, 7938..8324, 8014..8325

Seq. No.	25611	Seq. ID	OJ990914_05.9B19.C2
Gene No.	53165	Strand	-
Start	8942	End	9870
Name	OJ990914_05.9B19.C2.o2.gs	Method	GENSCAN
Start	8942	End	9870
GI	none	Score	.84
Exons	8942..9259, 9380..9870		

Seq. No.	25612	Seq. ID	OJ990914_05.9B19.C3
Gene No.	53166	Strand	-
Start	22	End	206
Name	OJ990914_05.9B19.C3.o1.gs	Method	GENSCAN
Start	22	End	206
GI	none	Score	.92
Exons	22..206		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4
Gene No.	53167	Strand	+
Start	2117	End	3966
Name	OJ990914_05.9B19.C4.o1.np	Method	AAT/NAP
Start	2117	End	3966
GI	4587554	Score	741
Exons	2117..2717, 2754..3966		
GI Descrip.	(AC006577) Similar to gb|AJ005701 Na/Ca,K-exchanger from Caenorhabditis elegans. ESTs gb|T04173 and gb|AA585918 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4
Gene No.	53167	Strand	+
Start	2117	End	3966
Name	OJ990914_05.9B19.C4.o1.gs	Method	GENSCAN
Start	2198	End	3961
GI	none	Score	1
Exons	2198..3961		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4
Gene No.	53168	Strand	+
Start	5343	End	6629
Name	OJ990914_05.9B19.C4.o2.gs	Method	GENSCAN
Start	5343	End	6629
GI	none	Score	.55
Exons	5343..6629		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4
Gene No.	53169	Strand	-
Start	3942	End	4312
Name	OJ990914_05.9B19.C4.o1.gp	Method	AAT/GAP
Start	3942	End	4312
GI	uC-osflcyp149c10a1	Score	735
Exons	3942..4312		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4

Gene No.	53170	Strand	-
Start	7670	End	11095
Name	OJ990914_05.9B19.C4.o1.ts	Method	TBLASTX:Soybean
Start	2390	End	2815
GI	none	Score	99
Exons	2390..2518, 2563..2688, 2576..2689, 2786..2815		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4
Gene No.	53170	Strand	-
Start	7670	End	11095
Name	OJ990914_05.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	3424	End	3751
GI	none	Score	217
Exons	3424..3498, 3425..3658, 3479..3592, 3650..3751, 3664..3750		

Seq. No.	25613	Seq. ID	OJ990914_05.9B19.C4
Gene No.	53170	Strand	-
Start	7670	End	11095
Name	OJ990914_05.9B19.C4.o3.gs	Method	GENSCAN
Start	7670	End	11095
GI	none	Score	.77
Exons	7670..7764, 7810..7847, 7931..9018, 9281..9400, 10151..10194, 10333..10381, 10577..11095		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53171	Strand	+
Start	1037	End	1119
Name	OJ990914_05.9B19.C5.o2.gp	Method	AAT/GAP
Start	1037	End	1119
GI	38012_1.R1084	Score	99
Exons	1037..1119		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53172	Strand	+
Start	1304	End	2487
Name	OJ990914_05.9B19.C5.o1.gs	Method	GENSCAN
Start	1304	End	2487
GI	none	Score	.51
Exons	1304..1387, 2292..2487		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53173	Strand	+
Start	2929	End	5811
Name	OJ990914_05.9B19.C5.o2.gs	Method	GENSCAN
Start	2929	End	5109
GI	none	Score	.53
Exons	2929..3175, 3293..3381, 3916..4075, 4649..5109		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53173	Strand	+
Start	2929	End	5811
Name	OJ990914_05.9B19.C5.o2.np	Method	AAT/NAP
Start	2929	End	5811
GI	6016874	Score	2153
Exons	2929..3007, 3091..3228, 3293..3525, 3916..4075, 4469..4648,		

	4766..5130, 5577..5811
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53173	Strand	+
Start	2929	End	5811
Name	OJ990914_05.9B19.C5.o3.gp	Method	AAT/GAP
Start	3618	End	4126
GI	uC-osflcyp110c07b1	Score	958
Exons	3618..4126		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53174	Strand	-
Start	1	End	103
Name	OJ990914_05.9B19.C5.o1.np	Method	AAT/NAP
Start	1	End	103
GI	133256	Score	73
Exons	1..103		
GI Descrip.	HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1, A2/B1 HOMOLOG gi|102861|pir||S14432 heterogeneous ribonuclear particle protein A1 homolog - American bird grasshopper gi|10107|emb|CAA38481| (X54670) mammalian A1, A2 /B1 hnRNP homologue [Schistocerca americana]		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53175	Strand	-
Start	797	End	983
Name	OJ990914_05.9B19.C5.o1.gp	Method	AAT/GAP
Start	797	End	983
GI	15870_2.R1084	Score	267
Exons	797..983		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53176	Strand	
Start	3277	End	3723
Name	OJ990914_05.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	3277	End	3723
GI	none	Score	69
Exons	3277..3363, 3348..3557, 3349..3627, 3628..3690, 3685..3723		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53177	Strand	
Start	3817	End	4131
Name	OJ990914_05.9B19.C5.o3.tm	Method	TBLASTX:Maize
Start	3817	End	4131
GI	none	Score	65
Exons	3817..3891, 3904..4131, 3912..4130		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53178	Strand	

Start	4336	End	4688
Name	OJ990914_05.9B19.C5.o4.tm	Method	TBLASTX:Maize
Start	4336	End	4688
GI	none	Score	240
Exons	4336..4617, 4347..4688		

Seq. No.	25614	Seq. ID	OJ990914_05.9B19.C5
Gene No.	53179	Strand	
Start	4800	End	5043
Name	OJ990914_05.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	4800	End	5043
GI	none	Score	282
Exons	4800..4958, 4810..5043		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53180	Strand	+
Start	673	End	1758
Name	OJ990914_05.9B19.C6.o1.gs	Method	GENSCAN
Start	673	End	1758
GI	none	Score	1
Exons	673..1758		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53181	Strand	+
Start	3324	End	12100
Name	OJ990914_05.9B19.C6.o2.np	Method	AAT/NAP
Start	3324	End	12100
GI	4678312	Score	242
Exons	3324..3381, 9404..9551, 11805..12100		
GI Descrip.	(AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53181	Strand	+
Start	3324	End	12100
Name	OJ990914_05.9B19.C6.o3.gs	Method	GENSCAN
Start	9561	End	12032
GI	none	Score	.83
Exons	9561..9629, 11172..12032		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53182	Strand	-
Start	1423	End	5389
Name	OJ990914_05.9B19.C6.o1.np	Method	AAT/NAP
Start	1423	End	5389
GI	4585998	Score	449
Exons	1423..1677, 2992..3047, 4155..5010, 5362..5389		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53183	Strand	-
Start	11929	End	12380
Name	OJ990914_05.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	11580	End	12005
GI	none	Score	71
Exons	11580..11636, 11808..12005, 11816..12001		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6

Gene No.	53183	Strand	-
Start	11929	End	12380
Name	OJ990914_05.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	11580	End	12005
GI	none	Score	71
Exons	11580..11636, 11808..12005, 11816..12001		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53183	Strand	-
Start	11929	End	12380
Name	OJ990914_05.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	11808	End	12005
GI	none	Score	318
Exons	11808..12005, 11813..12001, 11835..12002		

Seq. No.	25615	Seq. ID	OJ990914_05.9B19.C6
Gene No.	53183	Strand	-
Start	11929	End	12380
Name	OJ990914_05.9B19.C6.o1.gp	Method	AAT/GAP
Start	11929	End	12380
GI	28447_1.R1084	Score	878
Exons	11929..12380		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53184	Strand	+
Start	1	End	2269
Name	OJ990914_05.9B19.C7.o1.np	Method	AAT/NAP
Start	1	End	2269
GI	4680179	Score	2792
Exons	1..2269		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53184	Strand	+
Start	1	End	2269
Name	OJ990914_05.9B19.C7.o1.gs	Method	GENSCAN
Start	393	End	2210
GI	none	Score	.66
Exons	393..1149, 1161..1321, 1479..2210		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53185	Strand	+
Start	3968	End	4399
Name	OJ990914_05.9B19.C7.o1.gp	Method	AAT/GAP
Start	3968	End	4399
GI	2428185	Score	709
Exons	3968..4399		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53186	Strand	+
Start	7549	End	8364
Name	OJ990914_05.9B19.C7.o2.np	Method	AAT/NAP
Start	7549	End	8364

GI	4680183	Score	843
Exons	7549..8364		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53187	Strand	+
Start	20839	End	21452
Name	OJ990914_05.9B19.C7.o2.gp	Method	AAT/GAP
Start	20839	End	21452
GI	uC-osflcyp034f07b1	Score	730
Exons	20839..20923, 21097..21452		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53188	Strand	-
Start	2920	End	3361
Name	OJ990914_05.9B19.C7.o2.gs	Method	GENSCAN
Start	2920	End	3361
GI	none	Score	.69
Exons	2920..3225, 3239..3361		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o3.tw	Method	TBLASTX:Wheat
Start	377	End	692
GI	none	Score	476
Exons	377..685, 378..692, 384..692		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	378	End	692
GI	none	Score	427
Exons	378..692, 380..685		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o2.tw	Method	TBLASTX:Wheat
Start	720	End	11323
GI	none	Score	614
Exons	720..1259, 902..1255, 11144..11212, 11216..11323		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o1.tc	Method	TBLASTX:Cress
Start	957	End	1283
GI	none	Score	90
Exons	957..1139, 1140..1283, 1142..1282		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224

Name	OJ990914_05.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	1047	End	1307
GI	none	Score	299
Exons	1047..1307, 1058..1306		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o5.tm	Method	TBLASTX:Maize
Start	1105	End	11212
GI	none	Score	394
Exons	1105..1392, 1106..1393, 1107..1397, 10994..11041, 11108..11212		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	11083
GI	none	Score	692
Exons	1266..1892, 1268..1771, 1437..1850, 1832..1891, 10859..11083		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	1445	End	2030
GI	none	Score	204
Exons	1445..1600, 1446..1607, 1604..1768, 1605..2030, 1832..2029		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o7.tw	Method	TBLASTX:Wheat
Start	1892	End	2224
GI	none	Score	261
Exons	1892..2107, 1893..2153, 2102..2224		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o3.np	Method	AAT/NAP
Start	10364	End	15151
GI	4206306	Score	2893
Exons	10364..14073, 15082..15151		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o7.tm	Method	TBLASTX:Maize
Start	10682	End	10924
GI	none	Score	47
Exons	10682..10924, 10683..10757, 10821..10919		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224

Name	OJ990914_05.9B19.C7.o3.ts	Method	TBLASTX:Soybean
Start	10940	End	11314
GI	none	Score	51
Exons	10940..11164, 10947..11165, 11171..11314, 11172..11285		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o6.tm	Method	TBLASTX:Maize
Start	11213	End	11584
GI	none	Score	94
Exons	11213..11584, 11265..11459		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o6.tw	Method	TBLASTX:Wheat
Start	11786	End	12203
GI	none	Score	111
Exons	11786..12034, 11787..11960, 12020..12202, 12027..12203		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o2.ts	Method	TBLASTX:Soybean
Start	12470	End	12853
GI	none	Score	92
Exons	12470..12853, 12660..12803		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o4.tw	Method	TBLASTX:Wheat
Start	12474	End	12898
GI	none	Score	199
Exons	12474..12845, 12479..12898, 12585..12845		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o3.tm	Method	TBLASTX:Maize
Start	12572	End	12955
GI	none	Score	197
Exons	12572..12955, 12585..12845, 12620..12934		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o4.tm	Method	TBLASTX:Maize
Start	12983	End	13340
GI	none	Score	207
Exons	12983..13339, 12984..13340		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o5.tw	Method	TBLASTX:Wheat

Start	13013	End	13405
GI	none	Score	264
Exons	13013..13405, 13014..13403		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o8.tw	Method	TBLASTX:Wheat
Start	13548	End	13907
GI	none	Score	92
Exons	13548..13769, 13549..13770, 13776..13907		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o4.np	Method	AAT/NAP
Start	14543	End	16224
GI	6721562	Score	294
Exons	14543..15605, 16053..16224		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	25616	Seq. ID	OJ990914_05.9B19.C7
Gene No.	53189	Strand	-
Start	10364	End	16224
Name	OJ990914_05.9B19.C7.o9.tw	Method	TBLASTX:Wheat
Start	14700	End	15044
GI	none	Score	183
Exons	14700..15044		

Seq. No.	25617	Seq. ID	OJ990914_05.9B19.C8
Gene No.	53190	Strand	+
Start	1	End	1067
Name	OJ990914_05.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	1067
GI	6815072	Score	493
Exons	1..130, 486..855, 964..1067		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	25617	Seq. ID	OJ990914_05.9B19.C8
Gene No.	53190	Strand	+
Start	1	End	1067
Name	OJ990914_05.9B19.C8.o1.gs	Method	GENSCAN
Start	53	End	1024
GI	none	Score	.84
Exons	53..101, 282..1024		

Seq. No.	25617	Seq. ID	OJ990914_05.9B19.C8
Gene No.	53190	Strand	+
Start	1	End	1067
Name	OJ990914_05.9B19.C8.o1.tm	Method	TBLASTX:Maize
Start	599	End	1066
GI	none	Score	68

Exons	599..652, 668..745, 767..1066		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53191	Strand	+
Start	1	End	7284
Name	OJ990914_05.9B19.C9.o1.np	Method	AAT/NAP
Start	1	End	7284
GI	6815072	Score	3068
Exons	1..397, 507..793, 1205..1639, 5511..7284		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53192	Strand	+
Start	11662	End	14857
Name	OJ990914_05.9B19.C9.o3.gp	Method	AAT/GAP
Start	11595	End	14670
GI	877_1.R1084	Score	1826
Exons	11595..11907, 12053..12100, 12223..12332, 12533..12590, 14019..14282, 14361..14498, 14619..14670		
GI Descrip.	'4574135/gb|AAD23907.1|AF073695_1 1.0e-169 (AF073695) cysteine synthase [Oryza sativa]'		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53192	Strand	+
Start	11662	End	14857
Name	OJ990914_05.9B19.C9.o3.gs	Method	GENSCAN
Start	11662	End	14595
GI	none	Score	.87
Exons	11662..11907, 12053..12100, 12223..12332, 12533..12590, 14019..14282, 14361..14498, 14578..14595		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53192	Strand	+
Start	11662	End	14857
Name	OJ990914_05.9B19.C9.o2.np	Method	AAT/NAP
Start	12068	End	14857
GI	4574135	Score	937
Exons	12068..12100, 12223..12332, 12533..12590, 14019..14282, 14361..14498, 14619..14672, 14771..14857		
GI Descrip.	(AF073695) cysteine synthase [Oryza sativa]		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53193	Strand	-
Start	2860	End	9364
Name	OJ990914_05.9B19.C9.o2.gs	Method	GENSCAN
Start	2860	End	9364
GI	none	Score	.53
Exons	2860..3306, 4134..4238, 4548..4722, 5136..5248, 9347..9364		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53193	Strand	-
Start	2860	End	9364
Name	OJ990914_05.9B19.C9.o1.gp	Method	AAT/GAP
Start	3680	End	3873
GI	5667165	Score	360
Exons	3680..3873		

GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o2.tw	Method	TBLASTX:Wheat
Start	36	End	362
GI	none	Score	208
Exons	36..260, 59..148, 179..259, 284..361, 285..362		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o4.tm	Method	TBLASTX:Maize
Start	81	End	577
GI	none	Score	172
Exons	81..272, 170..271, 276..365, 503..577		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o3.tm	Method	TBLASTX:Maize
Start	6087	End	6471
GI	none	Score	98
Exons	6087..6470, 6088..6189, 6117..6320, 6223..6471		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o2.tc	Method	TBLASTX:Cress
Start	6760	End	7017
GI	none	Score	227
Exons	6760..7017, 6768..6965		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o2.tm	Method	TBLASTX:Maize
Start	6763	End	7083
GI	none	Score	215
Exons	6763..7002, 6765..6902, 6994..7083, 6994..7083		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o2.ts	Method	TBLASTX:Soybean
Start	7009	End	7191
GI	none	Score	210
Exons	7009..7191, 7009..7149, 7056..7190		
Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53194	Strand	-
Start	9955	End	10829
Name	OJ990914_05.9B19.C9.o2.gp	Method	AAT/GAP
Start	9955	End	10829
GI	LIB3477-003-P1-K1-E9	Score	127

Exons	9955..10017, 10789..10829		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53195	Strand	
Start	11995	End	14681
Name	OJ990914_05.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	11995	End	14681
GI	none	Score	42
Exons	11995..12105, 12065..12103, 12210..12332, 12211..12333, 12528..12590, 12531..12590, 14001..14294, 14016..14300, 14018..14299, 14348..14485, 14358..14501, 14360..14428, 14468..14500, 14576..14671, 14616..14672, 14616..14681		

Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53195	Strand	
Start	11995	End	14681
Name	OJ990914_05.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	12056	End	14672
GI	none	Score	40
Exons	12056..12103, 12210..12332, 12211..12333, 12220..12339, 12528..12587, 12531..12587, 12533..12589, 14018..14281, 14018..14281, 14019..14300, 14358..14501, 14358..14498, 14576..14671, 14616..14672		

Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53195	Strand	
Start	11995	End	14681
Name	OJ990914_05.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	12193	End	14672
GI	none	Score	174
Exons	12193..12333, 12195..12332, 12530..12586, 12531..12590, 13983..14291, 14016..14300, 14018..14299, 14358..14501, 14359..14394, 14360..14428, 14616..14672, 14624..14671		

Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53195	Strand	
Start	11995	End	14681
Name	OJ990914_05.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	12210	End	14240
GI	none	Score	193
Exons	12210..12332, 12211..12333, 12528..12590, 12531..12590, 14016..14240, 14018..14239		

Seq. No.	25618	Seq. ID	OJ990914_05.9B19.C9
Gene No.	53195	Strand	
Start	11995	End	14681
Name	OJ990914_05.9B19.C9.o3.tw	Method	TBLASTX:Wheat
Start	14359	End	14681
GI	none	Score	145
Exons	14359..14484, 14361..14501, 14361..14498, 14471..14500, 14615..14671, 14616..14672, 14616..14681		

Seq. No.	25619	Seq. ID	OJ990914_05.9B19.C10
Gene No.	53196	Strand	+

Start	1	End	1275
Name	OJ990914_05.9B19.C10.o1.gp	Method	AAT/GAP
Start	1	End	1275
GI	877_1.R1084	Score	1007
Exons	1..103, 312..371, 512..592, 948..1275		
GI Descrip.	'4574135/gb|AAD23907.1|AF073695_1 1.0e-169 (AF073695) cysteine synthase [Oryza sativa]'		

Seq. No.	25619	Seq. ID	OJ990914_05.9B19.C10
Gene No.	53196	Strand	+
Start	1	End	1275
Name	OJ990914_05.9B19.C10.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	4574135	Score	387
Exons	1..103, 312..371, 512..592, 948..1034		
GI Descrip.	(AF073695) cysteine synthase [Oryza sativa]		

Seq. No.	25619	Seq. ID	OJ990914_05.9B19.C10
Gene No.	53196	Strand	+
Start	1	End	1275
Name	OJ990914_05.9B19.C10.o1.gs	Method	GENSCAN
Start	336	End	1037
GI	none	Score	.75
Exons	336..371, 512..592, 948..1037		

Seq. No.	25620	Seq. ID	OJ990804_05.9B12.C1
Gene No.	53197	Strand	-
Start	1	End	253
Name	OJ990804_05.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	253
GI	5042161	Score	78
Exons	1..253		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25621	Seq. ID	OJ990804_05.9B12.C2
Gene No.	53198	Strand	-
Start	17	End	207
Name	OJ990804_05.9B12.C2.o1.np	Method	AAT/NAP
Start	17	End	207
GI	5042159	Score	131
Exons	17..207		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25622	Seq. ID	OJ990804_05.9B12.C3
Gene No.	53199	Strand	-
Start	34	End	144
Name	OJ990804_05.9B12.C3.o1.gs	Method	GENSCAN
Start	34	End	144
GI	none	Score	.72
Exons	34..144		

Seq. No.	25623	Seq. ID	OJ990804_05.9B12.C5
Gene No.	53200	Strand	+
Start	4463	End	5501
Name	OJ990804_05.9B12.C5.o2.gs	Method	GENSCAN
Start	4463	End	5501
GI	none	Score	.62

Exons	4463..4525, 5196..5501		
Seq. No.	25623	Seq. ID	OJ990804_05.9B12.C5
Gene No.	53201	Strand	-
Start	1405	End	4359
Name	OJ990804_05.9B12.C5.o1.gs	Method	GENSCAN
Start	1405	End	4359
GI	none	Score	.54
Exons	1405..1484, 2162..4096, 4212..4359		
Seq. No.	25623	Seq. ID	OJ990804_05.9B12.C5
Gene No.	53201	Strand	-
Start	1405	End	4359
Name	OJ990804_05.9B12.C5.o1.np	Method	AAT/NAP
Start	2118	End	4353
GI	5042158	Score	592
Exons	2118..4353		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	25623	Seq. ID	OJ990804_05.9B12.C5
Gene No.	53201	Strand	-
Start	1405	End	4359
Name	OJ990804_05.9B12.C5.o2.tm	Method	TBLASTX:Maize
Start	3337	End	3507
GI	none	Score	168
Exons	3337..3507, 3339..3506		
Seq. No.	25623	Seq. ID	OJ990804_05.9B12.C5
Gene No.	53201	Strand	-
Start	1405	End	4359
Name	OJ990804_05.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	3588	End	3851
GI	none	Score	273
Exons	3588..3851, 3589..3834		
Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53202	Strand	+
Start	1	End	3425
Name	OJ990804_05.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	3039
GI	5912299	Score	3511
Exons	1..23, 329..1842, 1947..2015, 2216..2434, 2552..2644, 2737..3039		
GI Descrip.	(AJ133787) gigantea homologue [Oryza sativa]		
Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53202	Strand	+
Start	1	End	3425
Name	OJ990804_05.9B12.C10.o1.gs	Method	GENSCAN
Start	298	End	3042
GI	none	Score	.82
Exons	298..1842, 1947..2015, 2216..2434, 2737..3042		
Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53202	Strand	+
Start	1	End	3425
Name	OJ990804_05.9B12.C10.o1.gp	Method	AAT/GAP
Start	345	End	3425

GI	963_1.R1084	Score	4967
Exons	345..1842, 1947..2015, 2216..2434, 2552..2644, 2737..3425		
GI Descrip.	'5912299/emb|CAB56058.1| 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53203	Strand	+
Start	5851	End	10083
Name	OJ990804_05.9B12.C10.o2.np	Method	AAT/NAP
Start	5851	End	10083
GI	4883612	Score	195
Exons	5851..5946, 8160..8225, 8323..8486, 8662..9222, 10063..10083		
GI Descrip.	(AC006922) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53203	Strand	+
Start	5851	End	10083
Name	OJ990804_05.9B12.C10.o3.gs	Method	GENSCAN
Start	7604	End	9505
GI	none	Score	.84
Exons	7604..7715, 8020..8225, 8323..8561, 8662..8857, 8938..9159, 9287..9313, 9377..9505		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o2.tm	Method	TBLASTX:Maize
Start	337	End	792
GI	none	Score	742
Exons	337..792, 342..791		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o2.ts	Method	TBLASTX:Soybean
Start	343	End	696
GI	none	Score	512
Exons	343..696, 348..674		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	541	End	984
GI	none	Score	208
Exons	541..687, 541..666, 543..680, 700..939, 711..827, 850..984, 942..983		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o1.ts	Method	TBLASTX:Soybean
Start	703	End	1680
GI	none	Score	233
Exons	703..903, 708..830, 715..903, 716..934, 922..1458, 923..1018, 937..1149, 942..1445, 1609..1680		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	1044	End	3059
GI	none	Score	647
Exons	1044..1448, 1045..1494, 1045..1458, 1046..1459, 1453..1842, 1457..1843, 1461..1844, 1471..1845, 1485..1844, 1943..2011, 1947..2021, 2208..2429, 2213..2437, 2215..2436, 2545..2643, 2549..2644, 2555..2650, 2731..2871, 2736..2867, 2852..2959, 2863..3054, 2865..3059, 2871..3059		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o3.ts	Method	TBLASTX:Soybean
Start	1789	End	3026
GI	none	Score	71
Exons	1789..1845, 1947..2021, 2213..2347, 2213..2338, 2215..2358, 2347..2430, 2348..2437, 2545..2643, 2549..2644, 2731..2847, 2736..2822, 2896..3024, 2898..3026		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o2.tc	Method	TBLASTX:Cress
Start	2264	End	2826
GI	none	Score	264
Exons	2264..2461, 2266..2436, 2542..2643, 2549..2644, 2731..2826, 2736..2825		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53204	Strand	-
Start	4887	End	6091
Name	OJ990804_05.9B12.C10.o2.gs	Method	GENSCAN
Start	4887	End	6091
GI	none	Score	.61
Exons	4887..4958, 5431..5511, 5924..6091		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53205	Strand	
Start	8169	End	9010
Name	OJ990804_05.9B12.C10.o4.ts	Method	TBLASTX:Soybean
Start	8169	End	8568
GI	none	Score	54
Exons	8169..8222, 8326..8562, 8329..8568, 8331..8567		

Seq. No.	25624	Seq. ID	OJ990804_05.9B12.C10
Gene No.	53205	Strand	
Start	8169	End	9010
Name	OJ990804_05.9B12.C10.o3.tm	Method	TBLASTX:Maize
Start	8434	End	9010
GI	none	Score	180
Exons	8434..8574, 8436..8558, 8647..8844, 8651..8830, 8662..8838, 8935..9009, 8935..9009, 8942..9010		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11

Gene No.	53206	Strand	+
Start	2431	End	3029
Name	OJ990804_05.9B12.C11.o1.gs	Method	GENSCAN
Start	2431	End	3029
GI	none	Score	.71
Exons	2431..2811, 2832..3029		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11
Gene No.	53207	Strand	+
Start	5449	End	7494
Name	OJ990804_05.9B12.C11.o1.gp	Method	AAT/GAP
Start	5400	End	5717
GI	none	Score	559
Exons	5400..5717		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11
Gene No.	53207	Strand	+
Start	5449	End	7494
Name	OJ990804_05.9B12.C11.o2.gs	Method	GENSCAN
Start	5449	End	7191
GI	none	Score	.96
Exons	5449..5760, 5843..6115, 7036..7191		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11
Gene No.	53207	Strand	+
Start	5449	End	7494
Name	OJ990804_05.9B12.C11.o1.np	Method	AAT/NAP
Start	5452	End	7191
GI	6721176	Score	545
Exons	5452..5760, 5843..6115, 7036..7191		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11
Gene No.	53207	Strand	+
Start	5449	End	7494
Name	OJ990804_05.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	5493	End	7192
GI	none	Score	98
Exons	5493..5573, 5494..5574, 5577..5702, 5578..5712, 5725..5760, 5840..6115, 5840..6037, 5872..6111, 7035..7127, 7036..7152, 7038..7190, 7039..7167, 7040..7192		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11
Gene No.	53207	Strand	+
Start	5449	End	7494
Name	OJ990804_05.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	5494	End	7195
GI	none	Score	61
Exons	5494..5565, 5622..5702, 5644..5712, 5725..5760, 5825..6040, 5840..6115, 5872..6111, 6087..6116, 7033..7098, 7035..7133, 7036..7131, 7132..7152, 7154..7195		

Seq. No.	25625	Seq. ID	OJ990804_05.9B12.C11
Gene No.	53207	Strand	+
Start	5449	End	7494
Name	OJ990804_05.9B12.C11.o2.gp	Method	AAT/GAP
Start	5647	End	7494

GI	3273_1.R1084	Score	1577
Exons	5647..5760, 5843..6115, 7036..7494		
GI Descrip.	'2199574 3.0e-09 (AF004293) aquaporin [Brassica rapa]'		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53208	Strand	+
Start	1788	End	2010
Name	OJ990804_05.9B12.C12.o1.gp	Method	AAT/GAP
Start	1788	End	2010
GI	3273_1.R1084	Score	375
Exons	1788..2010		
GI Descrip.	'2199574 3.0e-09 (AF004293) aquaporin [Brassica rapa]'		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53208	Strand	+
Start	1788	End	2010
Name	OJ990804_05.9B12.C12.o1.np	Method	AAT/NAP
Start	1788	End	1943
GI	6721176	Score	146
Exons	1788..1943		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53209	Strand	+
Start	1965	End	2300
Name	OJ990804_05.9B12.C12.o2.gp	Method	AAT/GAP
Start	1965	End	2300
GI	1631515	Score	585
Exons	1965..2300		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53210	Strand	-
Start	14	End	6305
Name	OJ990804_05.9B12.C12.o1.gs	Method	GENSCAN
Start	14	End	4925
GI	none	Score	.55
Exons	14..145, 2279..2299, 3627..4925		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53210	Strand	-
Start	14	End	6305
Name	OJ990804_05.9B12.C12.o2.np	Method	AAT/NAP
Start	3504	End	6305
GI	1272347	Score	216
Exons	3504..3528, 5395..5905, 6074..6188, 6225..6305		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53210	Strand	-
Start	14	End	6305
Name	OJ990804_05.9B12.C12.o3.gp	Method	AAT/GAP
Start	4492	End	4995
GI	71587_1.R1084	Score	869
Exons	4492..4995		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53211	Strand	-
Start	6742	End	7730
Name	OJ990804_05.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	1787	End	1944
GI	none	Score	207
Exons	1787..1903, 1788..1904, 1791..1919, 1792..1944		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53211	Strand	-
Start	6742	End	7730
Name	OJ990804_05.9B12.C12.o1.ts	Method	TBLASTX:Soybean
Start	1787	End	1910
GI	none	Score	190
Exons	1787..1903, 1788..1904, 1791..1910		

Seq. No.	25626	Seq. ID	OJ990804_05.9B12.C12
Gene No.	53211	Strand	-
Start	6742	End	7730
Name	OJ990804_05.9B12.C12.o2.gs	Method	GENSCAN
Start	6742	End	7730
GI	none	Score	.46
Exons	6742..6793, 7445..7730		

Seq. No.	25627	Seq. ID	OJ990804_05.9B12.C13
Gene No.	53212	Strand	+
Start	877	End	6646
Name	OJ990804_05.9B12.C13.o1.gs	Method	GENSCAN
Start	877	End	6646
GI	none	Score	.58
Exons	877..917, 1731..2077, 2238..2327, 2459..2510, 2751..3036, 3324..3407, 3800..3845, 4147..4222, 4771..5063, 6606..6646		

Seq. No.	25627	Seq. ID	OJ990804_05.9B12.C13
Gene No.	53213	Strand	+
Start	7643	End	11131
Name	OJ990804_05.9B12.C13.o2.gs	Method	GENSCAN
Start	7643	End	11131
GI	none	Score	.47
Exons	7643..7780, 9881..10009, 11102..11131		

Seq. No.	25627	Seq. ID	OJ990804_05.9B12.C13
Gene No.	53214	Strand	+
Start	11976	End	15525
Name	OJ990804_05.9B12.C13.o3.gs	Method	GENSCAN
Start	11976	End	15525
GI	none	Score	.51
Exons	11976..12127, 12282..12471, 12644..12788, 12840..12887, 13366..13627, 14274..14366, 15285..15525		

Seq. No.	25627	Seq. ID	OJ990804_05.9B12.C13
Gene No.	53215	Strand	-
Start	15910	End	16865
Name	OJ990804_05.9B12.C13.o4.gs	Method	GENSCAN
Start	15910	End	16737
GI	none	Score	.47
Exons	15910..16737		

Seq. No.	25627	Seq. ID	OJ990804_05.9B12.C13
Gene No.	53215	Strand	-
Start	15910	End	16865
Name	OJ990804_05.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	15979	End	16398
GI	none	Score	107
Exons	15979..16095, 16061..16255, 16165..16398		

Seq. No.	25627	Seq. ID	OJ990804_05.9B12.C13
Gene No.	53215	Strand	-
Start	15910	End	16865
Name	OJ990804_05.9B12.C13.o1.np	Method	AAT/NAP
Start	16069	End	16865
GI	4538896	Score	669
Exons	16069..16865		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	25628	Seq. ID	OJ990804_05.9B12.C15
Gene No.	53216	Strand	+
Start	50	End	307
Name	OJ990804_05.9B12.C15.o1.gs	Method	GENSCAN
Start	50	End	307
GI	none	Score	.51
Exons	50..307		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53217	Strand	+
Start	2329	End	6557
Name	OJ990804_05.9B12.C16.o2.gs	Method	GENSCAN
Start	2329	End	6557
GI	none	Score	.63
Exons	2329..2346, 2580..2753, 2903..3203, 5349..5527, 6417..6557		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53218	Strand	-
Start	1	End	3106
Name	OJ990804_05.9B12.C16.o1.np	Method	AAT/NAP
Start	1	End	1149
GI	3287679	Score	570
Exons	1..359, 519..694, 732..794, 887..964, 1057..1149		
GI Descrip.	(AC003979) T22J18.6 [Arabidopsis thaliana]		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53218	Strand	-
Start	1	End	3106
Name	OJ990804_05.9B12.C16.o1.gp	Method	AAT/GAP
Start	70	End	256
GI	963_1.R1084	Score	328
Exons	70..256		
GI Descrip.	'5912299/emb|CAB56058.1| 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53218	Strand	-
Start	1	End	3106
Name	OJ990804_05.9B12.C16.o1.gs	Method	GENSCAN

Start	85	End	1281
GI	none	Score	.89
Exons	85..359, 519..661, 740..794, 887..1026, 1057..1074, 1239..1281		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53218	Strand	-
Start	1	End	3106
Name	OJ990804_05.9B12.C16.o2.gp	Method	AAT/GAP
Start	320	End	1159
GI	28435_1.R1084	Score	723
Exons	320..359, 519..661, 740..794, 887..964, 1057..1159		
GI Descrip.	'5911782/emb|CAB56039.1| 1.0e-40 (AJ133786) gigantea protein [Arabidopsis thaliana] >gi_6002680_gb_AAF00092.1_AF105064_1 (AF105064) GIGANTEA [Arabidopsis thaliana]'		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53218	Strand	-
Start	1	End	3106
Name	OJ990804_05.9B12.C16.o3.gp	Method	AAT/GAP
Start	1106	End	3106
GI	none	Score	702
Exons	1106..1161, 1239..1468, 3006..3106		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53219	Strand	-
Start	9026	End	9154
Name	OJ990804_05.9B12.C16.o2.tm	Method	TBLASTX:Maize
Start	72	End	290
GI	none	Score	241
Exons	72..290, 84..290		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53219	Strand	-
Start	9026	End	9154
Name	OJ990804_05.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	81	End	633
GI	none	Score	67
Exons	81..146, 82..174, 84..362, 244..360, 246..362, 519..632, 538..633		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53219	Strand	-
Start	9026	End	9154
Name	OJ990804_05.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	553	End	1241
GI	none	Score	133
Exons	553..663, 555..662, 733..771, 756..797, 881..967, 885..965, 887..967, 889..969, 1039..1167, 1058..1240, 1113..1241		

Seq. No.	25629	Seq. ID	OJ990804_05.9B12.C16
Gene No.	53219	Strand	-
Start	9026	End	9154
Name	OJ990804_05.9B12.C16.o3.gs	Method	GENSCAN
Start	9026	End	9154
GI	none	Score	.98
Exons	9026..9154		

Seq. No.	25630	Seq. ID	OJ990804_05.9B12.C17
Gene No.	53220	Strand	+
Start	7	End	432
Name	OJ990804_05.9B12.C17.o1.gs	Method	GENSCAN
Start	7	End	432
GI	none	Score	.73
Exons	7..33, 370..432		

Seq. No.	25630	Seq. ID	OJ990804_05.9B12.C17
Gene No.	53221	Strand	-
Start	2704	End	2954
Name	OJ990804_05.9B12.C17.o2.gs	Method	GENSCAN
Start	2704	End	2954
GI	none	Score	.95
Exons	2704..2764, 2787..2954		

Seq. No.	25630	Seq. ID	OJ990804_05.9B12.C17
Gene No.	53221	Strand	-
Start	2704	End	2954
Name	OJ990804_05.9B12.C17.o1.np	Method	AAT/NAP
Start	2786	End	2954
GI	5042157	Score	171
Exons	2786..2954		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o2.np	Method	AAT/NAP
Start	4967	End	9599
GI	4680203	Score	3309
Exons	4967..5014, 6291..7963, 8117..8344, 8621..9599		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o2.gp	Method	AAT/GAP
Start	5843	End	7364
GI	2310235	Score	304
Exons	5843..5880, 6291..6430, 7307..7364		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o2.gs	Method	GENSCAN
Start	6291	End	9570
GI	none	Score	.65
Exons	6291..7361, 7406..8888, 8969..9570		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o4.gp	Method	AAT/GAP

Start	6295	End	10385
GI	342_1.R1084	Score	6607
Exons	6295..9692, 9728..9747, 9830..9927, 10037..10385		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o3.gp	Method	AAT/GAP
Start	6295	End	10383
GI	342_1.R1084	Score	6603
Exons	6295..9692, 9728..9747, 9830..9927, 10037..10383		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o5.gp	Method	AAT/GAP
Start	6295	End	10381
GI	342_1.R1084	Score	6599
Exons	6295..9692, 9728..9747, 9830..9927, 10037..10381		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53222	Strand	+
Start	4967	End	10552
Name	OJ990804_05.9B12.C18.o7.gp	Method	AAT/GAP
Start	6459	End	10552
GI	342_1.R1084	Score	6707
Exons	6459..9692, 9728..9747, 9830..9927, 10037..10552		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53223	Strand	-
Start	2577	End	5920
Name	OJ990804_05.9B12.C18.o1.gs	Method	GENSCAN
Start	2577	End	4890
GI	none	Score	.67
Exons	2577..2715, 4190..4507, 4790..4890		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53223	Strand	-
Start	2577	End	5920
Name	OJ990804_05.9B12.C18.o1.np	Method	AAT/NAP
Start	3688	End	5920
GI	5042157	Score	154
Exons	3688..3871, 4190..4314, 5864..5920		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683

Name	OJ990804_05.9B12.C18.o3.tm	Method	TBLASTX:Maize
Start	4188	End	4297
GI	none	Score	65
Exons	4188..4241, 4189..4296, 4190..4297		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o3.tc	Method	TBLASTX:Cress
Start	4189	End	4297
GI	none	Score	124
Exons	4189..4296, 4190..4297		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o4.tw	Method	TBLASTX:Wheat
Start	6642	End	6993
GI	none	Score	103
Exons	6642..6749, 6732..6983, 6740..6982, 6742..6993		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	6914	End	7343
GI	none	Score	102
Exons	6914..6997, 6915..6989, 6990..7052, 7047..7343, 7079..7330		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o2.tc	Method	TBLASTX:Cress
Start	7076	End	7391
GI	none	Score	278
Exons	7076..7228, 7083..7391, 7268..7363		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o2.tw	Method	TBLASTX:Wheat
Start	7212	End	7680
GI	none	Score	72
Exons	7212..7265, 7220..7264, 7266..7370, 7277..7366, 7384..7470, 7385..7471, 7451..7675, 7471..7680, 7474..7680		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	7269	End	7714
GI	none	Score	108
Exons	7269..7391, 7277..7390, 7385..7510, 7391..7510, 7520..7714		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683

Name	OJ990804_05.9B12.C18.o2.ts	Method	TBLASTX:Soybean
Start	7544	End	7786
GI	none	Score	216
Exons	7544..7786		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o3.tw	Method	TBLASTX:Wheat
Start	7819	End	8229
GI	none	Score	87
Exons	7819..7869, 7820..7882, 7888..8070, 7892..8110, 8138..8227, 8143..8229, 8144..8227		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o1.tw	Method	TBLASTX:Wheat
Start	8230	End	9567
GI	none	Score	714
Exons	8230..9009, 8231..9007, 8816..9016, 8989..9147, 9018..9131, 9142..9186, 9146..9181, 9189..9284, 9193..9252, 9231..9371, 9232..9372, 9385..9465, 9454..9567		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o2.tm	Method	TBLASTX:Maize
Start	8273	End	8587
GI	none	Score	307
Exons	8273..8587, 8284..8445, 8476..8559		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o1.tc	Method	TBLASTX:Cress
Start	8514	End	8965
GI	none	Score	167
Exons	8514..8696, 8518..8955, 8518..8961, 8522..8965, 8528..8965		

Seq. No.	25631	Seq. ID	OJ990804_05.9B12.C18
Gene No.	53224	Strand	-
Start	9240	End	9683
Name	OJ990804_05.9B12.C18.o6.gp	Method	AAT/GAP
Start	9240	End	9683
GI	LIB3431-028-P1-N1-A10	Score	793
Exons	9240..9585, 9613..9683		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	25632	Seq. ID	OJ990804_05.9B12.C19
Gene No.	53225	Strand	+
Start	77	End	496
Name	OJ990804_05.9B12.C19.o1.gs	Method	GENSCAN
Start	77	End	496
GI	none	Score	.97
Exons	77..496		

Seq. No.	25632	Seq. ID	OJ990804_05.9B12.C19
Gene No.	53225	Strand	+
Start	77	End	496
Name	OJ990804_05.9B12.C19.o2.np	Method	AAT/NAP
Start	371	End	491
GI	3845248	Score	40
Exons	371..491		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	25632	Seq. ID	OJ990804_05.9B12.C19
Gene No.	53226	Strand	+
Start	850	End	1356
Name	OJ990804_05.9B12:C19.o1.np	Method	AAT/NAP
Start	835	End	1356
GI	4680204	Score	177
Exons	835..1356		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25632	Seq. ID	OJ990804_05.9B12.C19
Gene No.	53226	Strand	+
Start	850	End	1356
Name	OJ990804_05.9B12.C19.o2.gs	Method	GENSCAN
Start	850	End	1342
GI	none	Score	.96
Exons	850..1342		

Seq. No.	25633	Seq. ID	OJ990804_05.9B12.C20
Gene No.	53227	Strand	+
Start	1	End	2109
Name	OJ990804_05.9B12.C20.o1.np	Method	AAT/NAP
Start	1	End	2109
GI	4680204	Score	431
Exons	1..557, 632..1729, 1839..2109		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25633	Seq. ID	OJ990804_05.9B12.C20
Gene No.	53227	Strand	+
Start	1	End	2109
Name	OJ990804_05.9B12.C20.o1.gs	Method	GENSCAN
Start	109	End	2012
GI	none	Score	.76
Exons	109..392, 438..557, 632..773, 823..1729, 1839..2012		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53228	Strand	+
Start	3028	End	4911
Name	OJ990804_05.9B12.C22.o1.gp	Method	AAT/GAP
Start	3028	End	4911
GI	none	Score	655
Exons	3028..3141, 4666..4911		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53229	Strand	+
Start	8549	End	8671
Name	OJ990804_05.9B12.C22.o2.gp	Method	AAT/GAP
Start	8549	End	8671

GI	21070_1.R1084	Score	142
Exons	8549..8671		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53230	Strand	+
Start	10349	End	15160
Name	OJ990804_05.9B12.C22.o3.gs	Method	GENSCAN
Start	10349	End	15160
GI	none	Score	.78
Exons	10349..11498, 12474..12649, 13277..13323, 13499..13796, 15119..15160		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53230	Strand	+
Start	10349	End	15160
Name	OJ990804_05.9B12.C22.o3.gp	Method	AAT/GAP
Start	10906	End	11397
GI	none	Score	952
Exons	10906..11397		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53230	Strand	+
Start	10349	End	15160
Name	OJ990804_05.9B12.C22.o4.np	Method	AAT/NAP
Start	11731	End	11953
GI	2239136	Score	130
Exons	11731..11953		
GI Descrip.	(Y13730) NDH-A protein [Hordeum vulgare]		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53230	Strand	+
Start	10349	End	15160
Name	OJ990804_05.9B12.C22.o4.gp	Method	AAT/GAP
Start	12267	End	12632
GI	none	Score	692
Exons	12267..12632		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	944
GI	4538896	Score	623
Exons	1..310, 419..839, 912..944		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o1.gs	Method	GENSCAN
Start	11	End	3671
GI	none	Score	.57
Exons	11..314, 750..849, 1170..1297, 1553..1652, 1997..2303, 2987..3401, 3489..3671		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o2.tm	Method	TBLASTX:Maize
Start	492	End	836
GI	none	Score	115
Exons	492..632, 493..648, 636..683, 705..836, 706..834		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o3.np	Method	AAT/NAP
Start	3338	End	13596
GI	5821153	Score	188
Exons	3338..3591, 5847..6151, 10336..10886, 11107..11375, 13547..13596		
GI Descrip.	(AB016092) RNA binding protein [Homo sapiens]		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o2.np	Method	AAT/NAP
Start	3547	End	10441
GI	6063557	Score	362
Exons	3547..3601, 6752..6903, 7152..7345, 10421..10441		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o1.tm	Method	TBLASTX:Maize
Start	7524	End	9128
GI	none	Score	102
Exons	7524..7619, 7574..7789, 7622..7795, 9072..9128, 9075..9128		

Seq. No.	25634	Seq. ID	OJ990804_05.9B12.C22
Gene No.	53231	Strand	-
Start	1	End	13596
Name	OJ990804_05.9B12.C22.o3.tm	Method	TBLASTX:Maize
Start	11341	End	13324
GI	none	Score	207
Exons	11341..11514, 11342..11494, 11356..11499, 12467..12649, 12473..12634, 13277..13324		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53232	Strand	+
Start	1	End	1777
Name	OJ990824_07.9B18.C6.o1.np	Method	AAT/NAP
Start	1	End	1777
GI	4680179	Score	2870
Exons	1..1777		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53232	Strand	+
Start	1	End	1777
Name	OJ990824_07.9B18.C6.o1.gs	Method	GENSCAN
Start	45	End	1666

GI	none	Score	.55
Exons	45..331, 333..528, 804..992, 1218..1666		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o4.np	Method	AAT/NAP
Start	1	End	10628
GI	5295971	Score	712
Exons	1..78, 4945..5544, 5591..5897, 8183..8753, 9529..9618, 10588..10628		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o4.tw	Method	TBLASTX:Wheat
Start	1	End	289
GI	none	Score	332
Exons	1..114, 2..289, 2..199		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o3.tm	Method	TBLASTX:Maize
Start	2	End	208
GI	none	Score	278
Exons	2..199, 2..208, 7..204		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o2.tw	Method	TBLASTX:Wheat
Start	338	End	766
GI	none	Score	343
Exons	338..430, 342..653, 342..647, 512..652, 647..766, 649..765		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o1.ts	Method	TBLASTX:Soybean
Start	561	End	814
GI	none	Score	89
Exons	561..653, 649..813, 650..814		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o2.tm	Method	TBLASTX:Maize
Start	615	End	904
GI	none	Score	57
Exons	615..647, 615..647, 652..900, 653..904, 684..902		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-

Start	1	End	10628
Name	OJ990824_07.9B18.C6.o1.tw	Method	TBLASTX:Wheat
Start	773	End	1399
GI	none	Score	703
Exons	773..1399, 775..1398		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o1.tm	Method	TBLASTX:Maize
Start	953	End	1552
GI	none	Score	226
Exons	953..1114, 961..1107, 1112..1552, 1114..1209, 1279..1539		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o3.tw	Method	TBLASTX:Wheat
Start	1400	End	1732
GI	none	Score	358
Exons	1400..1732, 1427..1507, 1492..1731		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o6.tm	Method	TBLASTX:Maize
Start	1556	End	1753
GI	none	Score	184
Exons	1556..1753		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o2.np	Method	AAT/NAP
Start	2043	End	4940
GI	6815109	Score	150
Exons	2043..2778, 2836..3289, 4883..4940		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o3.np	Method	AAT/NAP
Start	3965	End	10628
GI	4680183	Score	201
Exons	3965..4054, 4664..4780, 10569..10628		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o4.tm	Method	TBLASTX:Maize
Start	4945	End	5409
GI	none	Score	155
Exons	4945..5346, 5114..5347, 5172..5348, 5323..5409		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6

Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o5.tw	Method	TBLASTX:Wheat
Start	4960	End	5325
GI	none	Score	135
Exons	4960..5325, 5090..5317		

Seq. No.	25635	Seq. ID	OJ990824_07.9B18.C6
Gene No.	53233	Strand	-
Start	1	End	10628
Name	OJ990824_07.9B18.C6.o5.tm	Method	TBLASTX:Maize
Start	8374	End	8640
GI	none	Score	100
Exons	8374..8640, 8468..8626		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53234	Strand	+
Start	854	End	1013
Name	OJ990824_07.9B18.C7.o1.gs	Method	GENSCAN
Start	854	End	1013
GI	none	Score	.87
Exons	854..1013		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	6466937	Score	918
Exons	1..1345		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o3.tm	Method	TBLASTX:Maize
Start	2	End	211
GI	none	Score	93
Exons	2..211, 2..211		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o2.tw	Method	TBLASTX:Wheat
Start	71	End	656
GI	none	Score	77
Exons	71..214, 275..346, 355..564, 363..656		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o1.tm	Method	TBLASTX:Maize
Start	273	End	911
GI	none	Score	76
Exons	273..344, 275..343, 351..611, 354..737, 364..909, 774..911		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o1.ts	Method	TBLASTX:Soybean
Start	504	End	887
GI	none	Score	184
Exons	504..734, 505..774, 792..887		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o1.tw	Method	TBLASTX:Wheat
Start	745	End	1142
GI	none	Score	164
Exons	745..1011, 774..1142, 852..1142		

Seq. No.	25636	Seq. ID	OJ990824_07.9B18.C7
Gene No.	53235	Strand	-
Start	1	End	1345
Name	OJ990824_07.9B18.C7.o2.tm	Method	TBLASTX:Maize
Start	912	End	1340
GI	none	Score	74
Exons	912..1148, 924..1148, 1164..1340, 1168..1326, 1206..1340		

Seq. No.	25637	Seq. ID	OJ990824_07.9B18.C8
Gene No.	53236	Strand	+
Start	356	End	648
Name	OJ990824_07.9B18.C8.o1.gs	Method	GENSCAN
Start	356	End	648
GI	none	Score	.53
Exons	356..472, 551..648		

Seq. No.	25638	Seq. ID	OJ990824_07.9B18.C9
Gene No.	53237	Strand	-
Start	1	End	244
Name	OJ990824_07.9B18.C9.o1.np	Method	AAT/NAP
Start	1	End	244
GI	100488	Score	250
Exons	1..244		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	25638	Seq. ID	OJ990824_07.9B18.C9
Gene No.	53237	Strand	-
Start	1	End	244
Name	OJ990824_07.9B18.C9.o1.tw	Method	TBLASTX:Wheat
Start	47	End	244
GI	none	Score	47
Exons	47..136, 84..125, 137..244, 141..242		

Seq. No.	25638	Seq. ID	OJ990824_07.9B18.C9
Gene No.	53237	Strand	-
Start	1	End	244
Name	OJ990824_07.9B18.C9.o1.tm	Method	TBLASTX:Maize
Start	62	End	244
GI	none	Score	78
Exons	62..244, 63..242		

Seq. No.	25639	Seq. ID	OJ990824_07.9B18.C10
Gene No.	53238	Strand	-
Start	112	End	356
Name	OJ990824_07.9B18.C10.o1.gs	Method	GENSCAN
Start	112	End	356
GI	none	Score	.84
Exons	112..127, 304..356		

Seq. No.	25640	Seq. ID	OJ990824_07.9B18.C11
Gene No.	53239	Strand	-
Start	27	End	139
Name	OJ990824_07.9B18.C11.o1.gs	Method	GENSCAN
Start	27	End	139
GI	none	Score	.74
Exons	27..139		

Seq. No.	25641	Seq. ID	OJ990824_07.9B18.C12
Gene No.	53240	Strand	+
Start	1	End	373
Name	OJ990824_07.9B18.C12.o1.np	Method	AAT/NAP
Start	1	End	373
GI	4680203	Score	172
Exons	1..373		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25641	Seq. ID	OJ990824_07.9B18.C12
Gene No.	53240	Strand	+
Start	1	End	373
Name	OJ990824_07.9B18.C12.o1.gs	Method	GENSCAN
Start	61	End	156
GI	none	Score	.63
Exons	61..156		

Seq. No.	25641	Seq. ID	OJ990824_07.9B18.C12
Gene No.	53240	Strand	+
Start	1	End	373
Name	OJ990824_07.9B18.C12.o1.ts	Method	TBLASTX:Soybean
Start	145	End	372
GI	none	Score	47
Exons	145..192, 150..200, 158..367, 198..368, 199..372		

Seq. No.	25642	Seq. ID	OJ990824_07.9B18.C16
Gene No.	53241	Strand	-
Start	46	End	651
Name	OJ990824_07.9B18.C16.o1.gs	Method	GENSCAN
Start	46	End	651
GI	none	Score	.65
Exons	46..489, 568..651		

Seq. No.	25643	Seq. ID	OJ990824_07.9B18.C17
Gene No.	53242	Strand	-
Start	42	End	873
Name	OJ990824_07.9B18.C17.o1.gs	Method	GENSCAN
Start	42	End	873
GI	none	Score	.89
Exons	42..158, 790..873		

Seq. No.	25644	Seq. ID	OJ990824_07.9B18.C18
Gene No.	53243	Strand	+
Start	21	End	995
Name	OJ990824_07.9B18.C18.o1.tc	Method	TBLASTX:Cress
Start	2	End	380
GI	none	Score	199
Exons	2..211, 3..209, 216..380, 269..376		

Seq. No.	25644	Seq. ID	OJ990824_07.9B18.C18
Gene No.	53243	Strand	+
Start	21	End	995
Name	OJ990824_07.9B18.C18.o1.tw	Method	TBLASTX:Wheat
Start	2	End	917
GI	none	Score	217
Exons	2..211, 3..209, 216..416, 269..406, 414..554, 428..553, 570..620, 577..621, 621..665, 692..796, 693..797, 798..917		

Seq. No.	25644	Seq. ID	OJ990824_07.9B18.C18
Gene No.	53243	Strand	+
Start	21	End	995
Name	OJ990824_07.9B18.C18.o1.gs	Method	GENSCAN
Start	21	End	971
GI	none	Score	1
Exons	21..971		

Seq. No.	25644	Seq. ID	OJ990824_07.9B18.C18
Gene No.	53243	Strand	+
Start	21	End	995
Name	OJ990824_07.9B18.C18.o1.np	Method	AAT/NAP
Start	53	End	995
GI	4680203	Score	574
Exons	53..995		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25644	Seq. ID	OJ990824_07.9B18.C18
Gene No.	53243	Strand	+
Start	21	End	995
Name	OJ990824_07.9B18.C18.o1.ts	Method	TBLASTX:Soybean
Start	606	End	854
GI	none	Score	229
Exons	606..854, 608..790		

Seq. No.	25645	Seq. ID	OJ990824_07.9B18.C19
Gene No.	53244	Strand	+
Start	603	End	2771
Name	OJ990824_07.9B18.C19.o1.gs	Method	GENSCAN
Start	603	End	2689
GI	none	Score	.93
Exons	603..1012, 1800..2293, 2372..2689		

Seq. No.	25645	Seq. ID	OJ990824_07.9B18.C19
Gene No.	53244	Strand	+
Start	603	End	2771
Name	OJ990824_07.9B18.C19.o1.np	Method	AAT/NAP
Start	637	End	2771
GI	5032119	Score	100
Exons	637..999, 2653..2771		

GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		
Seq. No.	25645	Seq. ID	OJ990824_07.9B18.C19
Gene No.	53245	Strand	+
Start	2939	End	4387
Name	OJ990824_07.9B18.C19.o2.gs	Method	GENSCAN
Start	2939	End	4387
GI	none	Score	.65
Exons	2939..3284, 3458..3791, 4123..4387		
Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53246	Strand	+
Start	60	End	1520
Name	OJ990824_07.9B18.C20.o1.gs	Method	GENSCAN
Start	60	End	1520
GI	none	Score	.58
Exons	60..144, 458..541, 1342..1520		
Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53247	Strand	+
Start	22018	End	22749
Name	OJ990824_07.9B18.C20.o5.gs	Method	GENSCAN
Start	22018	End	22749
GI	none	Score	.79
Exons	22018..22749		
Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53248	Strand	+
Start	24205	End	24379
Name	OJ990824_07.9B18.C20.o2.gp	Method	AAT/GAP
Start	24205	End	24379
GI	LIB3433-026-P1-K1-C1	Score	237
Exons	24205..24379		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53249	Strand	-
Start	2066	End	4071
Name	OJ990824_07.9B18.C20.o1.np	Method	AAT/NAP
Start	1960	End	4071
GI	6721512	Score	113
Exons	1960..2020, 2063..2201, 2228..2355, 4040..4071		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53249	Strand	-
Start	2066	End	4071
Name	OJ990824_07.9B18.C20.o2.gs	Method	GENSCAN
Start	2066	End	3107
GI	none	Score	.61
Exons	2066..2290, 3096..3107		
Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-

Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o9.tm	Method	TBLASTX:Maize
Start	11611	End	11862
GI	none	Score	221
Exons	11611..11862, 11649..11861		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o1.tc	Method	TBLASTX:Cress
Start	12745	End	16453
GI	none	Score	113
Exons	12745..12915, 15869..16060, 15869..15988, 15880..16032, 16048..16182, 16052..16180, 16247..16297, 16319..16453		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o3.ts	Method	TBLASTX:Soybean
Start	12751	End	16453
GI	none	Score	80
Exons	12751..12831, 15869..16180, 15982..16176, 16301..16453		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o6.tw	Method	TBLASTX:Wheat
Start	15866	End	16180
GI	none	Score	132
Exons	15866..16021, 15905..15994, 16042..16179, 16052..16180		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o5.tm	Method	TBLASTX:Maize
Start	15929	End	16282
GI	none	Score	394
Exons	15929..16168, 15929..15994, 15931..16167, 16232..16270, 16247..16282		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o4.gs	Method	GENSCAN
Start	19629	End	20979
GI	none	Score	.81
Exons	19629..20132, 20223..20416, 20835..20979		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o2.np	Method	AAT/NAP
Start	19689	End	28318
GI	6466937	Score	2133
Exons	19689..21524, 24496..25167, 25217..26393, 26433..27010, 28265..28318		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o2.tm	Method	TBLASTX:Maize
Start	19725	End	20363
GI	none	Score	54
Exons	19725..20363, 19794..20003, 20038..20316		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o3.tw	Method	TBLASTX:Wheat
Start	19983	End	20339
GI	none	Score	176
Exons	19983..20339, 20038..20337		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o4.tw	Method	TBLASTX:Wheat
Start	20394	End	20786
GI	none	Score	34
Exons	20394..20786, 20407..20427, 20415..20786		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o1.tm	Method	TBLASTX:Maize
Start	20404	End	21042
GI	none	Score	278
Exons	20404..20808, 20406..20810, 20821..21042, 20822..21040		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o2.ts	Method	TBLASTX:Soybean
Start	20634	End	21006
GI	none	Score	66
Exons	20634..20804, 20644..20799, 20821..21006, 20822..20905		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o1.tw	Method	TBLASTX:Wheat
Start	20878	End	21270
GI	none	Score	141
Exons	20878..21270, 20882..21166		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o6.tm	Method	TBLASTX:Maize
Start	21043	End	21465
GI	none	Score	157
Exons	21043..21273, 21277..21465, 21296..21463, 21334..21465		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o3.tm	Method	TBLASTX:Maize
Start	21466	End	24968
GI	none	Score	86
Exons	21466..21528, 24497..24964, 24506..24697, 24513..24716, 24749..24958, 24783..24968		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o2.tw	Method	TBLASTX:Wheat
Start	24587	End	24988
GI	none	Score	352
Exons	24587..24988		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o1.ts	Method	TBLASTX:Soybean
Start	24713	End	25060
GI	none	Score	86
Exons	24713..25060, 24752..24955		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o10.tm	Method	TBLASTX:Maize
Start	24983	End	25141
GI	none	Score	123
Exons	24983..25141, 25011..25133		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o5.tw	Method	TBLASTX:Wheat
Start	25037	End	25568
GI	none	Score	79
Exons	25037..25213, 25068..25214, 25203..25568, 25219..25488		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o4.tm	Method	TBLASTX:Maize
Start	25142	End	25622
GI	none	Score	169
Exons	25142..25219, 25212..25622, 25215..25610		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o4.ts	Method	TBLASTX:Soybean
Start	25218	End	25532
GI	none	Score	67
Exons	25218..25409, 25218..25532		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o8.tm	Method	TBLASTX:Maize
Start	25775	End	26083
GI	none	Score	106
Exons	25775..26083, 25802..25975		

Seq. No.	25646	Seq. ID	OJ990824_07.9B18.C20
Gene No.	53250	Strand	-
Start	19629	End	28318
Name	OJ990824_07.9B18.C20.o7.tm	Method	TBLASTX:Maize
Start	26247	End	26708
GI	none	Score	60
Exons	26247..26474, 26257..26445, 26532..26708, 26551..26655		

Seq. No.	25647	Seq. ID	OJ990824_07.9B18.C21
Gene No.	53251	Strand	+
Start	980	End	1492
Name	OJ990824_07.9B18.C21.o1.gs	Method	GENSCAN
Start	980	End	1283
GI	none	Score	.96
Exons	980..1283		

Seq. No.	25647	Seq. ID	OJ990824_07.9B18.C21
Gene No.	53251	Strand	+
Start	980	End	1492
Name	OJ990824_07.9B18.C21.o1.np	Method	AAT/NAP
Start	980	End	1492
GI	2943742	Score	319
Exons	980..1284, 1456..1492		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	25648	Seq. ID	OJ990824_07.9B18.C22
Gene No.	53252	Strand	+
Start	1	End	677
Name	OJ990824_07.9B18.C22.o1.np	Method	AAT/NAP
Start	1	End	677
GI	4836930	Score	289
Exons	1..677		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25648	Seq. ID	OJ990824_07.9B18.C22
Gene No.	53252	Strand	+
Start	1	End	677
Name	OJ990824_07.9B18.C22.o1.gs	Method	GENSCAN
Start	144	End	607
GI	none	Score	.6
Exons	144..396, 444..607		

Seq. No.	25648	Seq. ID	OJ990824_07.9B18.C22
Gene No.	53252	Strand	+
Start	1	End	677
Name	OJ990824_07.9B18.C22.o1.ts	Method	TBLASTX:Soybean
Start	199	End	610
GI	none	Score	145

Exons	199..336, 201..332, 280..336, 358..441, 456..608, 456..509, 458..610		
Seq. No.	25649	Seq. ID	OJ990824_07.9B18.C24
Gene No.	53253	Strand	+
Start	85	End	251
Name	OJ990824_07.9B18.C24.o1.gs	Method	GENSCAN
Start	85	End	251
GI	none	Score	.64
Exons	85..251		
Seq. No.	25650	Seq. ID	OJ990824_07.9B18.C27
Gene No.	53254	Strand	+
Start	349	End	756
Name	OJ990824_07.9B18.C27.o1.gs	Method	GENSCAN
Start	349	End	756
GI	none	Score	.64
Exons	349..558, 604..756		
Seq. No.	25651	Seq. ID	OJ991114_41.9C06.C1
Gene No.	53255	Strand	+
Start	2073	End	2478
Name	OJ991114_41.9C06.C1.o1.gp	Method	AAT/GAP
Start	2073	End	2478
GI	none	Score	800
Exons	2073..2478		
Seq. No.	25651	Seq. ID	OJ991114_41.9C06.C1
Gene No.	53256	Strand	+
Start	2979	End	3095
Name	OJ991114_41.9C06.C1.o2.gp	Method	AAT/GAP
Start	2979	End	3095
GI	35458_1.R1084	Score	152
Exons	2979..3095		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		
Seq. No.	25651	Seq. ID	OJ991114_41.9C06.C1
Gene No.	53257	Strand	-
Start	1	End	999
Name	OJ991114_41.9C06.C1.o1.np	Method	AAT/NAP
Start	1	End	999
GI	3152595	Score	158
Exons	1..24, 538..999		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		
Seq. No.	25651	Seq. ID	OJ991114_41.9C06.C1
Gene No.	53257	Strand	-
Start	1	End	999
Name	OJ991114_41.9C06.C1.o1.gs	Method	GENSCAN
Start	508	End	975
GI	none	Score	.72
Exons	508..975		
Seq. No.	25651	Seq. ID	OJ991114_41.9C06.C1

Gene No.	53258	Strand	-
Start	2448	End	5403
Name	OJ991114_41.9C06.C1.o2.gs	Method	GENSCAN
Start	2448	End	5403
GI	none	Score	.76
Exons	2448..2570, 2853..2942, 3146..3418, 3774..4208, 4281..4439, 4873..5024, 5061..5403		

Seq. No.	25652	Seq. ID	OJ991114_41.9C06.C2
Gene No.	53259	Strand	+
Start	1155	End	6409
Name	OJ991114_41.9C06.C2.o1.np	Method	AAT/NAP
Start	1155	End	6409
GI	3152595	Score	163
Exons	1155..1227, 3325..3736, 6357..6409		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25652	Seq. ID	OJ991114_41.9C06.C2
Gene No.	53259	Strand	+
Start	1155	End	6409
Name	OJ991114_41.9C06.C2.o2.gs	Method	GENSCAN
Start	3311	End	6175
GI	none	Score	.56
Exons	3311..3724, 4842..5360, 5501..6175		

Seq. No.	25652	Seq. ID	OJ991114_41.9C06.C2
Gene No.	53260	Strand	-
Start	727	End	1254
Name	OJ991114_41.9C06.C2.o1.gs	Method	GENSCAN
Start	727	End	1194
GI	none	Score	.81
Exons	727..1194		

Seq. No.	25652	Seq. ID	OJ991114_41.9C06.C2
Gene No.	53260	Strand	-
Start	727	End	1254
Name	OJ991114_41.9C06.C2.o1.gp	Method	AAT/GAP
Start	787	End	1254
GI	none	Score	896
Exons	787..1254		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53261	Strand	+
Start	365	End	463
Name	OJ991114_41.9C06.C3.o1.gs	Method	GENSCAN
Start	365	End	463
GI	none	Score	1
Exons	365..463		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53262	Strand	+
Start	5805	End	10031
Name	OJ991114_41.9C06.C3.o1.gp	Method	AAT/GAP
Start	5694	End	6181
GI	43210_1.R1084	Score	968

Exons	5694..6181		
GI Descrip.	'4099914 8.0e-17 (U91857) ethylene-responsive element binding protein homolog [Stylosanthes hamata]'		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53262	Strand	+
Start	5805	End	10031
Name	OJ991114_41.9C06.C3.o1.np	Method	AAT/NAP
Start	5799	End	6515
GI	4587373	Score	266
Exons	5799..6226, 6269..6515		
GI Descrip.	(AB024575) ethylene responsive element binding factor [Nicotiana tabacum]		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53262	Strand	+
Start	5805	End	10031
Name	OJ991114_41.9C06.C3.o2.gs	Method	GENSCAN
Start	5805	End	10031
GI	none	Score	.89
Exons	5805..6469, 7212..7354, 7563..7896, 8484..8608, 9292..9328, 9449..10031		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53262	Strand	+
Start	5805	End	10031
Name	OJ991114_41.9C06.C3.o2.gp	Method	AAT/GAP
Start	6469	End	6802
GI	432499	Score	620
Exons	6469..6802		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53263	Strand	+
Start	17042	End	18346
Name	OJ991114_41.9C06.C3.o5.gs	Method	GENSCAN
Start	17042	End	18346
GI	none	Score	.92
Exons	17042..17124, 17536..17704, 17807..18346		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o2.ts	Method	TBLASTX:Soybean
Start	5799	End	6061
GI	none	Score	224
Exons	5799..6044, 5870..6061		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o2.tm	Method	TBLASTX:Maize
Start	5868	End	6061
GI	none	Score	244
Exons	5868..6044, 5869..5943, 5870..6061		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-

Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o1.tc	Method	TBLASTX:Cress
Start	5870	End	6058
GI	none	Score	209
Exons	5870..6058, 5871..6044		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o1.tw	Method	TBLASTX:Wheat
Start	5878	End	6061
GI	none	Score	194
Exons	5878..5943, 5880..6044, 5882..6061		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o3.tm	Method	TBLASTX:Maize
Start	6221	End	6442
GI	none	Score	98
Exons	6221..6370, 6222..6335, 6350..6442, 6382..6438		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o3.gp	Method	AAT/GAP
Start	11733	End	13652
GI	10551_1.R1084	Score	1251
Exons	11733..12082, 12193..12240, 12372..12469, 12967..13046, 13288..13359, 13463..13504, 13612..13652		
GI Descrip.	'4006872/emb|CAB16790.1| 2.0e-58 (Z99707) methionyl aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o2.tc	Method	TBLASTX:Cress
Start	11917	End	12474
GI	none	Score	142
Exons	11917..12084, 11937..12095, 12370..12474, 12389..12469		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o1.tm	Method	TBLASTX:Maize
Start	11935	End	14061
GI	none	Score	149
Exons	11935..12084, 11937..12095, 11955..12092, 12370..12474, 12389..12463, 13268..13360, 13285..13359, 13463..13510, 13467..13511, 13611..13754, 13612..13797, 13612..13797, 13622..13798, 13879..13968, 13880..13966, 13996..14061		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o1.ts	Method	TBLASTX:Soybean
Start	11937	End	14121

GI	none	Score	165
Exons	11937..12095, 11941..12084, 12188..12220, 12194..12238, 12368..12472, 12370..12474, 12967..13047, 12969..13049, 13265..13360, 13285..13359, 13463..13510, 13467..13508, 13612..13794, 13622..13774, 13623..13775, 13870..14121, 13883..14011, 13918..14094		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o2.np	Method	AAT/NAP
Start	11940	End	14142
GI	4006872	Score	773
Exons	11940..12082, 12193..12240, 12372..12469, 12967..13046, 13288..13359, 13463..13504, 13612..13773, 13879..14142		
GI Descrip.	(Z99707) methionyl aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	25653	Seq. ID	OJ991114_41.9C06.C3
Gene No.	53264	Strand	-
Start	11733	End	15697
Name	OJ991114_41.9C06.C3.o4.gs	Method	GENSCAN
Start	12763	End	15697
GI	none	Score	.56
Exons	12763..12783, 13288..13359, 13463..13504, 13612..13773, 13879..14030, 14056..14141, 14968..15107, 15355..15517, 15627..15697		

Seq. No.	25654	Seq. ID	OJ991114_41.9C06.C4
Gene No.	53265	Strand	-
Start	35	End	472
Name	OJ991114_41.9C06.C4.o1.gs	Method	GENSCAN
Start	35	End	472
GI	none	Score	.42
Exons	35..321, 404..472		

Seq. No.	25655	Seq. ID	OJ991114_41.9C06.C5
Gene No.	53266	Strand	+
Start	361	End	4560
Name	OJ991114_41.9C06.C5.o1.gs	Method	GENSCAN
Start	361	End	4560
GI	none	Score	.48
Exons	361..528, 4303..4560		

Seq. No.	25655	Seq. ID	OJ991114_41.9C06.C5
Gene No.	53267	Strand	-
Start	4233	End	6914
Name	OJ991114_41.9C06.C5.o1.np	Method	AAT/NAP
Start	4233	End	6914
GI	3901268	Score	401
Exons	4233..4317, 5204..5419, 5567..5770, 5845..6073, 6167..6383, 6579..6914		
GI Descrip.	(AF060173) SV2 related protein [Rattus norvegicus]		

Seq. No.	25655	Seq. ID	OJ991114_41.9C06.C5
Gene No.	53267	Strand	-
Start	4233	End	6914

Name	OJ991114_41.9C06.C5.o2.gs	Method	GENSCAN
Start	5189	End	6816
GI	none	Score	.5
Exons	5189..5419, 5922..6383, 6579..6816		

Seq. No.	25655	Seq. ID	OJ991114_41.9C06.C5
Gene No.	53267	Strand	-
Start	4233	End	6914
Name	OJ991114_41.9C06.C5.o1.tm	Method	TBLASTX:Maize
Start	5223	End	6326
GI	none	Score	140
Exons	5223..5414, 5225..5422, 5564..5773, 5564..5770, 5838..6056, 5860..6057, 6162..6326		

Seq. No.	25655	Seq. ID	OJ991114_41.9C06.C5
Gene No.	53267	Strand	-
Start	4233	End	6914
Name	OJ991114_41.9C06.C5.o2.tm	Method	TBLASTX:Maize
Start	6330	End	6809
GI	none	Score	191
Exons	6330..6410, 6577..6750, 6579..6809, 6583..6807		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53268	Strand	+
Start	4411	End	11190
Name	OJ991114_41.9C06.C6.o2.gs	Method	GENSCAN
Start	4411	End	5690
GI	none	Score	.52
Exons	4411..4522, 4665..4802, 5611..5690		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53268	Strand	+
Start	4411	End	11190
Name	OJ991114_41.9C06.C6.o2.np	Method	AAT/NAP
Start	4694	End	8814
GI	3152598	Score	837
Exons	4694..4756, 6404..6798, 7868..8814		
GI Descrip.	(AC002986) Contains similarity to C2-HC type zinc finger protein C.e-MyT1 gb|U67079 from C. elegans and to hypersensitivity-related gene 201 isolog T28M21.14 from A. thaliana BAC gb|AF002109. [Arabidopsis thaliana]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53268	Strand	+
Start	4411	End	11190
Name	OJ991114_41.9C06.C6.o3.gp	Method	AAT/GAP
Start	6320	End	6775
GI	uC-osroM202004b11b1	Score	836
Exons	6320..6775		
GI Descrip.	'3152598 3.0e-19 (AC002986) Contains similarity to C2-HC type zinc finger protein C.e-MyT1 gb_U67079 from C. elegans and to hypersensitivity-related gene 201 isolog T28M21.14 from A. thaliana BAC gb_AF002109. [Arabidopsis thaliana]'		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53268	Strand	+
Start	4411	End	11190

Name	OJ991114_41.9C06.C6.o3.gs	Method	GENSCAN
Start	6361	End	8829
GI	none	Score	.92
Exons	6361..6798, 7868..8170, 8254..8829		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53268	Strand	+
Start	4411	End	11190
Name	OJ991114_41.9C06.C6.o4.gp	Method	AAT/GAP
Start	8340	End	8836
GI	LIB3434-024-P1-K1-A7	Score	945
Exons	8340..8836		
GI Descrip.	'3152598 1.0e-34 (AC002986) Contains similarity to C2-HC type zinc finger protein C.e-MyT1 gb_U67079 from C. elegans and to hypersensitivity-related gene 201 isolog T28M21.14 from A. thaliana BAC gb_AF002109. [Arabidopsis thaliana]'		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53268	Strand	+
Start	4411	End	11190
Name	OJ991114_41.9C06.C6.o3.np	Method	AAT/NAP
Start	8461	End	11190
GI	1351865	Score	44
Exons	8461..8497, 8859..8903, 10875..11190		
GI Descrip.	ACROSIN PRECURSOR gi|1085468|pir||S47538 acrosin (EC 3.4.21.10) precursor - rabbit gi|451842 (U05204) preproacrosin [Oryctolagus cuniculus] gi|1090525|prf||2019255A prepro-acrosin [Oryctolagus cuniculus]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53269	Strand	+
Start	13956	End	14036
Name	OJ991114_41.9C06.C6.o5.gp	Method	AAT/GAP
Start	13956	End	14036
GI	5867_1.R1084	Score	121
Exons	13956..14036		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53270	Strand	+
Start	14727	End	17454
Name	OJ991114_41.9C06.C6.o5.np	Method	AAT/NAP
Start	14727	End	17442
GI	3152598	Score	794
Exons	14727..14745, 15352..15758, 16466..17442		
GI Descrip.	(AC002986) Contains similarity to C2-HC type zinc finger protein C.e-MyT1 gb|U67079 from C. elegans and to hypersensitivity-related gene 201 isolog T28M21.14 from A. thaliana BAC gb|AF002109. [Arabidopsis thaliana]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6

Gene No.	53270	Strand	+
Start	14727	End	17454
Name	OJ991114_41.9C06.C6.o4.np	Method	AAT/NAP
Start	15367	End	17454
GI	6910569	Score	787
Exons	15367..15758, 16466..17454		
GI Descrip.	(AC006424) Highly similar to YUP8H12R.39. [Arabidopsis thaliana]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53270	Strand	+
Start	14727	End	17454
Name	OJ991114_41.9C06.C6.o5.gs	Method	GENSCAN
Start	15368	End	17445
GI	none	Score	.98
Exons	15368..15778, 16483..17445		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53271	Strand	+
Start	18002	End	18903
Name	OJ991114_41.9C06.C6.o6.np	Method	AAT/NAP
Start	18002	End	18903
GI	6633851	Score	42
Exons	18002..18097, 18780..18903		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53272	Strand	+
Start	19708	End	19787
Name	OJ991114_41.9C06.C6.o7.np	Method	AAT/NAP
Start	19708	End	19787
GI	6630699	Score	86
Exons	19708..19787		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53273	Strand	+
Start	19923	End	20376
Name	OJ991114_41.9C06.C6.o8.np	Method	AAT/NAP
Start	19923	End	20376
GI	6539570	Score	167
Exons	19923..20116, 20310..20376		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53274	Strand	-
Start	1	End	2282
Name	OJ991114_41.9C06.C6.o1.np	Method	AAT/NAP
Start	1	End	840
GI	6226936	Score	154
Exons	1..39, 553..840		
GI Descrip.	HYPOTHETICAL 58.3 KD PROTEIN ZK637.1 IN CHROMOSOME III gi|3878108|emb|CAA80131.1| (Z22175) predicted using Genefinder; similar to Sugar transporter; cDNA EST yk311g8.3 comes from this gene; cDNA EST yk311g8.5 comes from this gene [Caenorhabditis elegans] gi|3881675|emb|CAA77460.1| (Z11115) predicted using		

Genefinder; similar to Sugar transporter; cDNA EST yk311g8.3

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53274	Strand	-
Start	1	End	2282
Name	OJ991114_41.9C06.C6.o1.gs	Method	GENSCAN
Start	323	End	2282
GI	none	Score	.47
Exons	323..428, 778..842, 1377..1406, 2094..2282		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53275	Strand	-
Start	12256	End	13183
Name	OJ991114_41.9C06.C6.o4.gs	Method	GENSCAN
Start	12256	End	13183
GI	none	Score	.9
Exons	12256..12294, 12659..12728, 12861..13023, 13090..13183		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53276	Strand	-
Start	17916	End	18542
Name	OJ991114_41.9C06.C6.o6.gs	Method	GENSCAN
Start	17916	End	18542
GI	none	Score	.57
Exons	17916..18011, 18390..18542		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036
Name	OJ991114_41.9C06.C6.o1.tm	Method	TBLASTX:Maize
Start	621	End	858
GI	none	Score	134
Exons	621..704, 621..704, 622..705, 622..705, 647..706, 698..841, 705..842, 706..858		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036
Name	OJ991114_41.9C06.C6.o2.ts	Method	TBLASTX:Soybean
Start	6432	End	15724
GI	none	Score	121
Exons	6432..6518, 6433..6522, 6582..6641, 6622..6702, 15581..15724		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036
Name	OJ991114_41.9C06.C6.o2.tm	Method	TBLASTX:Maize
Start	6715	End	16935
GI	none	Score	102
Exons	6715..6804, 6765..6803, 7861..8040, 7862..8041, 8174..8251, 8194..8277, 8195..8245, 8281..8304, 8288..8305, 15692..15757, 16476..16571, 16477..16590, 16642..16785, 16830..16874, 16831..16884, 16837..16887, 16917..16934, 16918..16935		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036

Name	OJ991114_41.9C06.C6.o1.tw	Method	TBLASTX:Wheat
Start	8409	End	17442
GI	none	Score	452
Exons	8409..8726, 8410..8727, 17035..17442, 17044..17130, 17070..17441		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036
Name	OJ991114_41.9C06.C6.o1.ts	Method	TBLASTX:Soybean
Start	8464	End	17367
GI	none	Score	90
Exons	8464..8544, 8469..8540, 8545..8727, 8574..8723, 17095..17175, 17100..17132, 17175..17363, 17176..17367		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036
Name	OJ991114_41.9C06.C6.o3.tm	Method	TBLASTX:Maize
Start	8653	End	17451
GI	none	Score	130
Exons	8653..8727, 8655..8726, 8782..8811, 8877..8900, 17284..17451, 17286..17438		

Seq. No.	25656	Seq. ID	OJ991114_41.9C06.C6
Gene No.	53277	Strand	-
Start	19923	End	20036
Name	OJ991114_41.9C06.C6.o7.gs	Method	GENSCAN
Start	19923	End	20036
GI	none	Score	.99
Exons	19923..20036		

Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.gp	Method	AAT/GAP
Start	261	End	1195
GI	33855_1.R1084	Score	1204
Exons	261..742, 1066..1195		
GI Descrip.	'2842482/emb|CAA16879.1| 6.0e-27 (AL021749) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.tm	Method	TBLASTX:Maize
Start	590	End	2005
GI	none	Score	188
Exons	590..745, 590..745, 1063..1227, 1064..1228, 1306..1401, 1316..1612, 1317..1601, 1458..1625, 1730..2005, 1731..1901, 1732..1983		

Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.gs	Method	GENSCAN
Start	602	End	1981
GI	none	Score	.71

Exons	602..742, 1066..1220, 1318..1600, 1730..1981		
Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.np	Method	AAT/NAP
Start	608	End	1924
GI	2842482	Score	757
Exons	608..733, 1019..1220, 1318..1600, 1730..1924		
GI Descrip.	(AL021749) protein phosphatase 2C-like protein [Arabidopsis thaliana]		
Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.tc	Method	TBLASTX:Cress
Start	611	End	1595
GI	none	Score	73
Exons	611..745, 620..733, 1063..1221, 1064..1222, 1316..1372, 1379..1594, 1380..1595		
Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.ts	Method	TBLASTX:Soybean
Start	1063	End	1921
GI	none	Score	85
Exons	1063..1221, 1063..1221, 1064..1222, 1316..1372, 1379..1627, 1380..1604, 1382..1651, 1730..1921, 1740..1895		
Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o2.tw	Method	TBLASTX:Wheat
Start	1094	End	1537
GI	none	Score	86
Exons	1094..1222, 1099..1221, 1316..1366, 1317..1355, 1376..1537, 1380..1514		
Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o2.gp	Method	AAT/GAP
Start	1364	End	2002
GI	15400_1.R1084	Score	964
Exons	1364..1600, 1730..2002		
GI Descrip.	'4336436/gb|AAD17805| 2.0e-47 (AF092432) protein phosphatase type 2C [Lotus japonicus]'		
Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o2.tc	Method	TBLASTX:Cress
Start	1728	End	1912
GI	none	Score	64
Exons	1728..1811, 1729..1824, 1733..1912, 1740..1895		

Seq. No.	25657	Seq. ID	OJ991114_41.9C06.C7
Gene No.	53278	Strand	-
Start	261	End	2005
Name	OJ991114_41.9C06.C7.o1.tw	Method	TBLASTX:Wheat
Start	1817	End	2005
GI	none	Score	122
Exons	1817..2005, 1818..1901, 1819..1983		

Seq. No.	25658	Seq. ID	OJ991114_41.9C06.C8
Gene No.	53279	Strand	+
Start	279	End	683
Name	OJ991114_41.9C06.C8.o1.gs	Method	GENSCAN
Start	279	End	683
GI	none	Score	.45
Exons	279..500, 579..683		

Seq. No.	25658	Seq. ID	OJ991114_41.9C06.C8
Gene No.	53280	Strand	-
Start	367	End	638
Name	OJ991114_41.9C06.C8.o1.gp	Method	AAT/GAP
Start	367	End	638
GI	426179	Score	514
Exons	367..638		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53281	Strand	+
Start	891	End	2374
Name	OJ991114_41.9C06.C9.o1.gs	Method	GENSCAN
Start	891	End	2374
GI	none	Score	.76
Exons	891..964, 2314..2374		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53282	Strand	+
Start	8948	End	12102
Name	OJ991114_41.9C06.C9.o3.gs	Method	GENSCAN
Start	8948	End	11340
GI	none	Score	.43
Exons	8948..9286, 9511..9953, 10297..10588, 10857..11085, 11168..11340		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53282	Strand	+
Start	8948	End	12102
Name	OJ991114_41.9C06.C9.o3.np	Method	AAT/NAP
Start	8979	End	12102
GI	4680199	Score	581
Exons	8979..9298, 9392..9953, 10345..10455, 10534..11085, 11168..11280, 11451..11635, 12064..12102		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53283	Strand	-
Start	1	End	140
Name	OJ991114_41.9C06.C9.o1.np	Method	AAT/NAP
Start	1	End	140
GI	6815109	Score	135
Exons	1..140		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o2.gs	Method	GENSCAN
Start	3332	End	8622
GI	none	Score	.55
Exons	3332..3461, 4050..4112, 4306..4484, 5098..5193, 5940..6053, 6401..6420, 6473..6584, 7323..7422, 8402..8622		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o1.gp	Method	AAT/GAP
Start	5735	End	6042
GI	5004059	Score	612
Exons	5735..6042		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o5.tm	Method	TBLASTX:Maize
Start	6016	End	7434
GI	none	Score	71
Exons	6016..6054, 6017..6058, 6463..6549, 6463..6591, 6471..6599, 7255..7434, 7294..7419, 7295..7423		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o2.np	Method	AAT/NAP
Start	7109	End	11947
GI	3152595	Score	174
Exons	7109..7203, 7272..7431, 11904..11947		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o4.tm	Method	TBLASTX:Maize
Start	8992	End	9271
GI	none	Score	222
Exons	8992..9126, 8993..9271		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o2.ts	Method	TBLASTX:Soybean
Start	9095	End	9271
GI	none	Score	191
Exons	9095..9271		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-

Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o2.tm	Method	TBLASTX:Maize
Start	9607	End	9944
GI	none	Score	53
Exons	9607..9741, 9655..9747, 9703..9930, 9732..9938, 9762..9944		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o3.tm	Method	TBLASTX:Maize
Start	10544	End	11036
GI	none	Score	106
Exons	10544..10744, 10678..10755, 10785..11036, 10835..10879, 10920..11015		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o1.tw	Method	TBLASTX:Wheat
Start	10721	End	11116
GI	none	Score	62
Exons	10721..10789, 10733..10777, 10782..10799, 10809..11087, 10841..11092, 10856..11116		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o1.ts	Method	TBLASTX:Soybean
Start	10824	End	11259
GI	none	Score	183
Exons	10824..11093, 10835..11095, 11166..11243, 11167..11259		

Seq. No.	25659	Seq. ID	OJ991114_41.9C06.C9
Gene No.	53284	Strand	-
Start	3332	End	11947
Name	OJ991114_41.9C06.C9.o1.tm	Method	TBLASTX:Maize
Start	11116	End	11522
GI	none	Score	179
Exons	11116..11268, 11161..11331, 11162..11326, 11172..11330, 11336..11518, 11337..11522, 11337..11522		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o1.gp	Method	AAT/GAP
Start	1	End	335
GI	5455614	Score	661
Exons	1..335		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o1.np	Method	AAT/NAP
Start	1	End	2585
GI	6069646	Score	1026
Exons	1..31, 479..1326, 1609..2585		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315)		

[Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o2.tm	Method	TBLASTX:Maize
Start	352	End	839
GI	none	Score	104
Exons	352..507, 364..489, 490..774,	528..737,	747..839, 748..834

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o1.gs	Method	GENSCAN
Start	394	End	5901
GI	none	Score	.47
Exons	394..1475, 1872..2091, 4711..4785, 5775..5901		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o3.tw	Method	TBLASTX:Wheat
Start	427	End	762
GI	none	Score	91
Exons	427..567, 556..762		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o2.tw	Method	TBLASTX:Wheat
Start	769	End	1056
GI	none	Score	210
Exons	769..1056, 792..1055		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o1.tm	Method	TBLASTX:Maize
Start	862	End	1554
GI	none	Score	447
Exons	862..1554, 1095..1331		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o1.ts	Method	TBLASTX:Soybean
Start	1168	End	1716
GI	none	Score	157
Exons	1168..1494, 1594..1716		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o1.tw	Method	TBLASTX:Wheat

Start	1189	End	1629
GI	none	Score	180
Exons	1189..1491, 1191..1343, 1531..1629		

Seq. No.	25660	Seq. ID	OJ991114_41.9C06.C10
Gene No.	53285	Strand	+
Start	1	End	5901
Name	OJ991114_41.9C06.C10.o3.tm	Method	TBLASTX:Maize
Start	2011	End	2547
GI	none	Score	311
Exons	2011..2547, 2026..2289, 2133..2378		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53286	Strand	-
Start	1	End	2294
Name	OJ991114_41.9C06.C12.o1.np	Method	AAT/NAP
Start	1	End	2294
GI	3152595	Score	1033
Exons	1..123, 224..300, 419..549, 627..800, 925..990, 1617..1658, 1788..2294		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53286	Strand	-
Start	1	End	2294
Name	OJ991114_41.9C06.C12.o1.gs	Method	GENSCAN
Start	224	End	2252
GI	none	Score	.93
Exons	224..300, 419..549, 627..800, 925..990, 1617..2252		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53287	Strand	-
Start	3415	End	8257
Name	OJ991114_41.9C06.C12.o2.np	Method	AAT/NAP
Start	2800	End	5065
GI	228207	Score	159
Exons	2800..2839, 4368..4442, 4549..4728, 4814..5065		
GI Descrip.	tnp1 protein [Antirrhinum majus]		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53287	Strand	-
Start	3415	End	8257
Name	OJ991114_41.9C06.C12.o1.gp	Method	AAT/GAP
Start	3112	End	3863
GI	3760064	Score	950
Exons	3112..3471, 3580..3689, 3796..3863		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53287	Strand	-
Start	3415	End	8257
Name	OJ991114_41.9C06.C12.o2.gs	Method	GENSCAN
Start	3415	End	8242
GI	none	Score	.69
Exons	3415..3471, 3796..4146, 4350..4442, 4549..4752, 5011..5079, 5362..5384, 5699..7616, 7793..8242		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53287	Strand	-
Start	3415	End	8257
Name	OJ991114_41.9C06.C12.o3.np	Method	AAT/NAP
Start	4068	End	8257
GI	3152595	Score	133
Exons	4068..4119, 7793..8257		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53287	Strand	-
Start	3415	End	8257
Name	OJ991114_41.9C06.C12.o2.gp	Method	AAT/GAP
Start	5164	End	5720
GI	3760063	Score	1098
Exons	5164..5720		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53287	Strand	-
Start	3415	End	8257
Name	OJ991114_41.9C06.C12.o3.gp	Method	AAT/GAP
Start	5823	End	6140
GI	3107412	Score	636
Exons	5823..6140		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53288	Strand	-
Start	9306	End	12146
Name	OJ991114_41.9C06.C12.o1.ts	Method	TBLASTX:Soybean
Start	68	End	774
GI	none	Score	76
Exons	68..124, 72..152, 225..296, 232..294, 418..552, 437..559, 440..526, 624..770, 626..691, 627..773, 628..774		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53288	Strand	-
Start	9306	End	12146
Name	OJ991114_41.9C06.C12.o1.tc	Method	TBLASTX:Cress
Start	3853	End	10347
GI	none	Score	458
Exons	3853..4146, 3855..4169, 3951..4148, 3998..4153, 4350..4451, 4351..4446, 4547..4609, 4548..4610, 4550..4609, 9563..9748, 9573..9734, 10288..10347		

Seq. No.	25661	Seq. ID	OJ991114_41.9C06.C12
Gene No.	53288	Strand	-
Start	9306	End	12146
Name	OJ991114_41.9C06.C12.o3.gs	Method	GENSCAN
Start	9306	End	12146
GI	none	Score	.83
Exons	9306..9404, 9521..9856, 9926..10033, 10288..10491, 10569..10822, 11696..12146		

Seq. No.	25662	Seq. ID	OJ991114_41.9C06.C14

Gene No.	53289	Strand	-
Start	13	End	123
Name	OJ991114_41.9C06.C14.o1.gs	Method	GENSCAN
Start	13	End	123
GI	none	Score	.7
Exons	13..123		

Seq. No.	25663	Seq. ID	OJ991114_41.9C06.C15
Gene No.	53290	Strand	+
Start	56	End	439
Name	OJ991114_41.9C06.C15.o1.gs	Method	GENSCAN
Start	56	End	439
GI	none	Score	.68
Exons	56..78, 312..439		

Seq. No.	25664	Seq. ID	OJ991114_41.9C06.C16
Gene No.	53291	Strand	-
Start	587	End	2213
Name	OJ991114_41.9C06.C16.o1.tm	Method	TBLASTX:Maize
Start	276	End	927
GI	none	Score	44
Exons	276..305, 277..303, 319..375, 569..922, 573..926, 574..927,	320..376, 521..550, 521..556, 575..925	

Seq. No.	25664	Seq. ID	OJ991114_41.9C06.C16
Gene No.	53291	Strand	-
Start	587	End	2213
Name	OJ991114_41.9C06.C16.o1.ts	Method	TBLASTX:Soybean
Start	529	End	926
GI	none	Score	163
Exons	529..894, 587..925, 588..926		

Seq. No.	25664	Seq. ID	OJ991114_41.9C06.C16
Gene No.	53291	Strand	-
Start	587	End	2213
Name	OJ991114_41.9C06.C16.o1.tc	Method	TBLASTX:Cress
Start	582	End	926
GI	none	Score	323
Exons	582..926, 584..925		

Seq. No.	25664	Seq. ID	OJ991114_41.9C06.C16
Gene No.	53291	Strand	-
Start	587	End	2213
Name	OJ991114_41.9C06.C16.o1.gs	Method	GENSCAN
Start	587	End	926
GI	none	Score	.79
Exons	587..926		

Seq. No.	25664	Seq. ID	OJ991114_41.9C06.C16
Gene No.	53291	Strand	-
Start	587	End	2213
Name	OJ991114_41.9C06.C16.o1.np	Method	AAT/NAP
Start	590	End	2213
GI	4337195	Score	454
Exons	590..926, 2165..2213		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	25664	Seq. ID	OJ991114_41.9C06.C16
Gene No.	53291	Strand	-
Start	587	End	2213
Name	OJ991114_41.9C06.C16.o1.tw	Method	TBLASTX:Wheat
Start	627	End	925
GI	none	Score	102
Exons	627..800, 659..925, 668..922		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53292	Strand	+
Start	6745	End	6917
Name	OJ991114_41.9C06.C17.o1.gp	Method	AAT/GAP
Start	6745	End	6917
GI	LIB3433-026-P1-K1-C1	Score	237
Exons	6745..6917		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53293	Strand	+
Start	8530	End	13010
Name	OJ991114_41.9C06.C17.o2.np	Method	AAT/NAP
Start	8530	End	13010
GI	4680179	Score	5623
Exons	8530..13010		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53294	Strand	+
Start	15026	End	18101
Name	OJ991114_41.9C06.C17.o3.np	Method	AAT/NAP
Start	15026	End	18101
GI	6561960	Score	512
Exons	15026..15356, 15954..16054, 16082..16437, 16513..16990, 17429..17924, 18061..18101		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53294	Strand	+
Start	15026	End	18101
Name	OJ991114_41.9C06.C17.o4.gs	Method	GENSCAN
Start	15026	End	17929
GI	none	Score	.41
Exons	15026..15411, 15973..17929		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53295	Strand	-
Start	1	End	1299
Name	OJ991114_41.9C06.C17.o1.np	Method	AAT/NAP
Start	1	End	1299
GI	4337195	Score	1007
Exons	1..89, 371..1299		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237

Name	OJ991114_41.9C06.C17.o1.tm	Method	TBLASTX:Maize
Start	355	End	1233
GI	none	Score	330
Exons	355..717, 370..1035, 371..889, 465..1028, 1082..1222, 1084..1233, 1126..1221, 1128..1232		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o1.ts	Method	TBLASTX:Soybean
Start	355	End	1203
GI	none	Score	282
Exons	355..705, 366..872, 370..1140, 371..1141, 638..748, 640..702, 1126..1203, 1127..1192		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o1.tc	Method	TBLASTX:Cress
Start	370	End	753
GI	none	Score	385
Exons	370..669, 371..673, 670..753, 674..748		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o9.tw	Method	TBLASTX:Wheat
Start	370	End	651
GI	none	Score	211
Exons	370..414, 412..651		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o2.tc	Method	TBLASTX:Cress
Start	760	End	1129
GI	none	Score	168
Exons	760..1065, 778..1020, 1079..1129		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o11.tw	Method	TBLASTX:Wheat
Start	916	End	1219
GI	none	Score	183
Exons	916..975, 964..1218, 964..1218, 1007..1219		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o10.tw	Method	TBLASTX:Wheat
Start	8752	End	8950
GI	none	Score	215
Exons	8752..8949, 8753..8950		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-

Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o6.tw	Method	TBLASTX:Wheat
Start	9001	End	9352
GI	none	Score	307
Exons	9001..9174, 9002..9352, 9150..9218		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o7.tm	Method	TBLASTX:Maize
Start	9002	End	9307
GI	none	Score	246
Exons	9002..9307		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o8.tw	Method	TBLASTX:Wheat
Start	9686	End	10039
GI	none	Score	257
Exons	9686..10039		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o4.tw	Method	TBLASTX:Wheat
Start	10171	End	10654
GI	none	Score	531
Exons	10171..10611, 10172..10654, 10175..10651		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o5.ts	Method	TBLASTX:Soybean
Start	10208	End	10522
GI	none	Score	198
Exons	10208..10522		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o5.tm	Method	TBLASTX:Maize
Start	10237	End	10684
GI	none	Score	369
Exons	10237..10674, 10241..10684		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o2.ts	Method	TBLASTX:Soybean
Start	10595	End	10990
GI	none	Score	57
Exons	10595..10627, 10595..10627, 10631..10684, 10633..10674, 10739..10990, 10747..10980		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-

Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o6.tm	Method	TBLASTX:Maize
Start	10739	End	11071
GI	none	Score	306
Exons	10739..11071, 10792..11070		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o5.tw	Method	TBLASTX:Wheat
Start	10742	End	11005
GI	none	Score	369
Exons	10742..11005, 10744..11004		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o3.tw	Method	TBLASTX:Wheat
Start	11006	End	11431
GI	none	Score	584
Exons	11006..11431, 11008..11424		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o4.ts	Method	TBLASTX:Soybean
Start	11012	End	11260
GI	none	Score	208
Exons	11012..11260		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o3.tm	Method	TBLASTX:Maize
Start	11078	End	11431
GI	none	Score	448
Exons	11078..11431, 11083..11424		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o2.tw	Method	TBLASTX:Wheat
Start	11459	End	11998
GI	none	Score	625
Exons	11459..11998, 11641..11994		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o3.tc	Method	TBLASTX:Cress
Start	11696	End	12022
GI	none	Score	89
Exons	11696..11878, 11879..12022, 11881..12021		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237

Name	OJ991114_41.9C06.C17.o3.ts	Method	TBLASTX:Soybean
Start	11786	End	12046
GI	none	Score	301
Exons	11786..12046, 11797..12045		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o4.tm	Method	TBLASTX:Maize
Start	11844	End	12136
GI	none	Score	411
Exons	11844..12131, 11845..12132, 11846..12136		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o1.tw	Method	TBLASTX:Wheat
Start	12005	End	12631
GI	none	Score	715
Exons	12005..12631, 12008..12352, 12064..12510, 12571..12630		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o2.tm	Method	TBLASTX:Maize
Start	12184	End	12754
GI	none	Score	229
Exons	12184..12339, 12185..12346, 12199..12348, 12343..12507, 12344..12754, 12571..12741		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o7.tw	Method	TBLASTX:Wheat
Start	12631	End	12965
GI	none	Score	164
Exons	12631..12747, 12632..12763, 12750..12965		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53296	Strand	-
Start	13449	End	14237
Name	OJ991114_41.9C06.C17.o3.gs	Method	GENSCAN
Start	13449	End	14237
GI	none	Score	.64
Exons	13449..13689, 13720..14237		

Seq. No.	25665	Seq. ID	OJ991114_41.9C06.C17
Gene No.	53297	Strand	
Start	15025	End	15415
Name	OJ991114_41.9C06.C17.o8.tm	Method	TBLASTX:Maize
Start	15025	End	15415
GI	none	Score	134
Exons	15025..15099, 15026..15106, 15026..15106, 15188..15271, 15395..15415		

Seq. No.	25666	Seq. ID	OJ991114_41.9C06.C18
Gene No.	53298	Strand	-

Start	1	End	690
Name	OJ991114_41.9C06.C18.o1.np	Method	AAT/NAP
Start	1	End	690
GI	2498930	Score	659
Exons	1..372, 540..603, 632..690		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	25666	Seq. ID	OJ991114_41.9C06.C18
Gene No.	53298	Strand	-
Start	1	End	690
Name	OJ991114_41.9C06.C18.o1.gs	Method	GENSCAN
Start	70	End	599
GI	none	Score	.88
Exons	70..372, 540..599		

Seq. No.	25667	Seq. ID	OJ991114_43.9C08.C1
Gene No.	53299	Strand	-
Start	23	End	629
Name	OJ991114_43.9C08.C1.o1.gs	Method	GENSCAN
Start	23	End	629
GI	none	Score	.52
Exons	23..182, 409..629		

Seq. No.	25668	Seq. ID	OJ991114_43.9C08.C2
Gene No.	53300	Strand	-
Start	502	End	1116
Name	OJ991114_43.9C08.C2.o1.gs	Method	GENSCAN
Start	502	End	1116
GI	none	Score	.41
Exons	502..673, 1010..1116		

Seq. No.	25669	Seq. ID	OJ991114_43.9C08.C3
Gene No.	53301	Strand	-
Start	1	End	2174
Name	OJ991114_43.9C08.C3.o1.np	Method	AAT/NAP
Start	1	End	815
GI	4538896	Score	491
Exons	1..181, 290..710, 783..815		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	25669	Seq. ID	OJ991114_43.9C08.C3
Gene No.	53301	Strand	-
Start	1	End	2174
Name	OJ991114_43.9C08.C3.o1.gs	Method	GENSCAN
Start	71	End	2174
GI	none	Score	.54
Exons	71..185, 621..720, 1041..1168, 1424..1523, 1868..2174		

Seq. No.	25669	Seq. ID	OJ991114_43.9C08.C3
Gene No.	53301	Strand	-
Start	1	End	2174
Name	OJ991114_43.9C08.C3.o1.tm	Method	TBLASTX:Maize
Start	363	End	707
GI	none	Score	115
Exons	363..503, 364..519, 507..554, 576..707, 577..705		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53302	Strand	+
Start	190	End	2073
Name	OJ991114_43.9C08.C4.o1.gp	Method	AAT/GAP
Start	190	End	2073
GI	none	Score	655
Exons	190..303, 1828..2073		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53303	Strand	+
Start	5700	End	5822
Name	OJ991114_43.9C08.C4.o2.gp	Method	AAT/GAP
Start	5700	End	5822
GI	21070_1.R1084	Score	142
Exons	5700..5822		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53304	Strand	+
Start	7500	End	16013
Name	OJ991114_43.9C08.C4.o2.gs	Method	GENSCAN
Start	7500	End	16013
GI	none	Score	.76
Exons	7500..8649, 9625..9800, 10428..10474, 10650..10947, 15888..16013		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53304	Strand	+
Start	7500	End	16013
Name	OJ991114_43.9C08.C4.o3.gp	Method	AAT/GAP
Start	8057	End	8548
GI	none	Score	952
Exons	8057..8548		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53304	Strand	+
Start	7500	End	16013
Name	OJ991114_43.9C08.C4.o4.gp	Method	AAT/GAP
Start	9418	End	9783
GI	none	Score	692
Exons	9418..9783		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53305	Strand	-
Start	698	End	7592
Name	OJ991114_43.9C08.C4.o1.np	Method	AAT/NAP
Start	698	End	7592
GI	6063557	Score	364
Exons	698..730, 3903..4054, 4303..4496, 7572..7592		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o1.tm	Method	TBLASTX:Maize
Start	4675	End	6279
GI	none	Score	102

Exons	4675..4770, 4725..4940, 4773..4946, 6223..6279		
Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o2.tm	Method	TBLASTX:Maize
Start	8492	End	9800
GI	none	Score	207
Exons	8492..8665, 8493..8645, 8507..8650, 9618..9800, 9624..9785		
Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o3.tm	Method	TBLASTX:Maize
Start	10427	End	10640
GI	none	Score	188
Exons	10427..10600, 10428..10604, 10599..10640, 10601..10636		
Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o2.np	Method	AAT/NAP
Start	14074	End	25116
GI	2462828	Score	585
Exons	14074..14264, 14581..14699, 16890..17017, 17758..17844, 17916..18129, 18285..18461, 18807..18848, 19176..19426, 25023..25116		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o5.tm	Method	TBLASTX:Maize
Start	14643	End	19385
GI	none	Score	75
Exons	14643..14741, 16877..17017, 16887..17015, 16888..17019, 17774..17842, 17778..17843, 18029..18049, 18055..18141, 18276..18422, 18282..18479, 18283..18465, 19203..19310, 19231..19311, 19335..19385		
Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o3.gs	Method	GENSCAN
Start	17182	End	19616
GI	none	Score	.9
Exons	17182..17237, 17758..17841, 17973..18129, 18285..18461, 18807..18854, 19182..19616		
Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o1.ts	Method	TBLASTX:Soybean
Start	17774	End	19388
GI	none	Score	97
Exons	17774..17836, 17971..18051, 18055..18141, 18282..18467, 18286..18462, 19227..19325, 19335..19388		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o1.tc	Method	TBLASTX:Cress
Start	18273	End	18464
GI	none	Score	88
Exons	18273..18464, 18304..18450		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o4.np	Method	AAT/NAP
Start	21693	End	23879
GI	6721519	Score	78
Exons	21693..21727, 23449..23572, 23779..23879		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o5.gp	Method	AAT/GAP
Start	24170	End	25116
GI	18323_1.R1084	Score	1513
Exons	24170..24819, 24905..25116		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o4.tm	Method	TBLASTX:Maize
Start	24482	End	25038
GI	none	Score	39
Exons	24482..24529, 24599..24646, 24619..24648, 24766..24822, 24783..24827, 24865..25038, 24866..25036, 24904..25038		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o4.gs	Method	GENSCAN
Start	24603	End	25035
GI	none	Score	.97
Exons	24603..24819, 24905..25035		

Seq. No.	25670	Seq. ID	OJ991114_43.9C08.C4
Gene No.	53306	Strand	-
Start	14074	End	25116
Name	OJ991114_43.9C08.C4.o5.np	Method	AAT/NAP
Start	24609	End	25116
GI	1495251	Score	191
Exons	24609..24710, 24765..24819, 24905..25116		
GI Descrip.	(Z70314) heat-shock protein [Arabidopsis thaliana]		

Seq. No.	25671	Seq. ID	OJ991114_43.9C08.C5
Gene No.	53307	Strand	+

Start	100	End	282
Name	OJ991114_43.9C08.C5.o1.gs	Method	GENSCAN
Start	100	End	282
GI	none	Score	.42
Exons	100..282		

Seq. No.	25672	Seq. ID	OJ991114_43.9C08.C6
Gene No.	53308	Strand	+
Start	4358	End	5100
Name	OJ991114_43.9C08.C6.o3.gp	Method	AAT/GAP
Start	4358	End	5100
GI	none	Score	1359
Exons	4358..5100		

Seq. No.	25672	Seq. ID	OJ991114_43.9C08.C6
Gene No.	53309	Strand	-
Start	1073	End	2405
Name	OJ991114_43.9C08.C6.o1.gp	Method	AAT/GAP
Start	458	End	1457
GI	20626_3.R1084	Score	303
Exons	458..531, 1352..1457		
GI Descrip.	'466172/sp|Q05737|YPT2_MAIZE 2.0e-62 GTP-BINDING PROTEIN YPTM2 >gi_283056_pir__B38202 ypt family - maize >gi_287835_emb_CAA44919_ (X63278) yptm2 [Zea mays]'		

Seq. No.	25672	Seq. ID	OJ991114_43.9C08.C6
Gene No.	53309	Strand	-
Start	1073	End	2405
Name	OJ991114_43.9C08.C6.o1.gs	Method	GENSCAN
Start	1073	End	2405
GI	none	Score	.48
Exons	1073..1421, 2191..2405		

Seq. No.	25672	Seq. ID	OJ991114_43.9C08.C6
Gene No.	53310	Strand	-
Start	5466	End	6760
Name	OJ991114_43.9C08.C6.o3.gs	Method	GENSCAN
Start	5466	End	6760
GI	none	Score	.57
Exons	5466..5540, 5674..5967, 6277..6350, 6481..6760		

Seq. No.	25672	Seq. ID	OJ991114_43.9C08.C6
Gene No.	53310	Strand	-
Start	5466	End	6760
Name	OJ991114_43.9C08.C6.o2.tm	Method	TBLASTX:Maize
Start	5688	End	5801
GI	none	Score	118
Exons	5688..5801, 5692..5775		

Seq. No.	25672	Seq. ID	OJ991114_43.9C08.C6
Gene No.	53310	Strand	-
Start	5466	End	6760
Name	OJ991114_43.9C08.C6.o1.tm	Method	TBLASTX:Maize
Start	6113	End	6634
GI	none	Score	105
Exons	6113..6181, 6277..6357, 6279..6371, 6282..6353, 6478..6633, 6479..6634		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.gs	Method	GENSCAN
Start	158	End	3689
GI	none	Score	.44
Exons	158..496, 2377..2461, 3646..3689		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.np	Method	AAT/NAP
Start	2538	End	10047
GI	4584539	Score	1086
Exons	2538..2581, 6202..6362, 6431..6504, 8990..10047		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.gp	Method	AAT/GAP
Start	8512	End	9312
GI	none	Score	1559
Exons	8512..9312		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o3.gs	Method	GENSCAN
Start	8980	End	10044
GI	none	Score	.43
Exons	8980..10044		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.tm	Method	TBLASTX:Maize
Start	9460	End	9940
GI	none	Score	539
Exons	9460..9939, 9467..9940		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.ts	Method	TBLASTX:Soybean
Start	9463	End	10035
GI	none	Score	34
Exons	9463..9522, 9494..9523, 9553..9600, 9598..9822, 9632..9781, 9799..10035		

Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.tc	Method	TBLASTX:Cress
Start	9568	End	9993
GI	none	Score	95

Exons	9568..9825, 9592..9822, 9593..9820, 9613..9822, 9832..9993, 9839..9976		
Seq. No.	25673	Seq. ID	OJ991114_43.9C08.C7
Gene No.	53311	Strand	-
Start	158	End	10047
Name	OJ991114_43.9C08.C7.o1.tw	Method	TBLASTX:Wheat
Start	9736	End	10047
GI	none	Score	165
Exons	9736..10047, 9737..10000		
Seq. No.	25674	Seq. ID	OJ991114_43.9C08.C8
Gene No.	53312	Strand	-
Start	2318	End	2665
Name	OJ991114_43.9C08.C8.o1.gs	Method	GENSCAN
Start	2318	End	2665
GI	none	Score	.42
Exons	2318..2497, 2502..2665		
Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o1.np	Method	AAT/NAP
Start	1173	End	3308
GI	6539553	Score	3647
Exons	1173..3308		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o2.tw	Method	TBLASTX:Wheat
Start	1309	End	1785
GI	none	Score	337
Exons	1309..1695, 1347..1694, 1710..1784, 1712..1783, 1714..1785		
Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o4.ts	Method	TBLASTX:Soybean
Start	1437	End	1778
GI	none	Score	81
Exons	1437..1646, 1458..1646, 1665..1778, 1672..1752		
Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o2.tm	Method	TBLASTX:Maize
Start	1641	End	1980
GI	none	Score	206
Exons	1641..1979, 1642..1980		
Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-

Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o2.ts	Method	TBLASTX:Soybean
Start	1791	End	2136
GI	none	Score	124
Exons	1791..2135, 1936..2136		

Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o3.tw	Method	TBLASTX:Wheat
Start	1989	End	2534
GI	none	Score	48
Exons	1989..2195, 1999..2121, 2190..2534, 2214..2387, 2494..2517		

Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o1.tm	Method	TBLASTX:Maize
Start	2070	End	2535
GI	none	Score	55
Exons	2070..2534, 2173..2283, 2217..2399, 2353..2535		

Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o1.ts	Method	TBLASTX:Soybean
Start	2205	End	2669
GI	5509260	Score	58
Exons	2205..2669, 2224..2283, 2356..2574		
GI Descrip.	-		

Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o1.tc	Method	TBLASTX:Cress
Start	2316	End	2576
GI	none	Score	115
Exons	2316..2576, 2404..2574		

Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o1.tw	Method	TBLASTX:Wheat
Start	2589	End	3308
GI	none	Score	200
Exons	2589..2828, 2590..2748, 2606..2836, 2609..2806, 2857..3306, 2868..3308, 2880..3308		

Seq. No.	25675	Seq. ID	OJ991114_43.9C08.C9
Gene No.	53313	Strand	-
Start	1173	End	3308
Name	OJ991114_43.9C08.C9.o3.ts	Method	TBLASTX:Soybean
Start	2994	End	3308
GI	none	Score	38
Exons	2994..3167, 3121..3159, 3168..3308, 3214..3306		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10

Gene No.	53314	Strand	+
Start	3305	End	8723
Name	OJ991114_43.9C08.C10.o3.np	Method	AAT/NAP
Start	3305	End	8714
GI	4680214	Score	326
Exons	3305..3334, 7766..8041, 8130..8714		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53314	Strand	+
Start	3305	End	8723
Name	OJ991114_43.9C08.C10.o1.gp	Method	AAT/GAP
Start	3452	End	4530
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	3452..3506, 4493..4530		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53314	Strand	+
Start	3305	End	8723
Name	OJ991114_43.9C08.C10.o2.gs	Method	GENSCAN
Start	7574	End	8723
GI	none	Score	.72
Exons	7574..8041, 8136..8723		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53315	Strand	+
Start	12194	End	14097
Name	OJ991114_43.9C08.C10.o4.gs	Method	GENSCAN
Start	12194	End	14097
GI	none	Score	.9
Exons	12194..12590, 13841..14097		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53316	Strand	-
Start	1	End	6918
Name	OJ991114_43.9C08.C10.o1.np	Method	AAT/NAP
Start	1	End	1619
GI	6539553	Score	2801
Exons	1..1619		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53316	Strand	-
Start	1	End	6918
Name	OJ991114_43.9C08.C10.o1.gs	Method	GENSCAN
Start	101	End	6886
GI	none	Score	.43
Exons	101..1528, 1813..2032, 2154..2323, 4572..4674, 6755..6886		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53316	Strand	-

Start	1	End	6918
Name	OJ991114_43.9C08.C10.o2.np	Method	AAT/NAP
Start	4684	End	6918
GI	4733891	Score	135
Exons	4684..4765, 6745..6918		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53317	Strand	-
Start	9438	End	10220
Name	OJ991114_43.9C08.C10.o4.np	Method	AAT/NAP
Start	9438	End	10220
GI	2213632	Score	852
Exons	9438..10220		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53318	Strand	-
Start	15736	End	16682
Name	OJ991114_43.9C08.C10.o5.gs	Method	GENSCAN
Start	15736	End	16682
GI	none	Score	.43
Exons	15736..15870, 15958..16138, 16666..16682		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53319	Strand	-
Start	18816	End	32363
Name	OJ991114_43.9C08.C10.o5.np	Method	AAT/NAP
Start	18816	End	32363
GI	1771158	Score	994
Exons	18816..20477, 20946..21125, 22781..22922, 32264..32363		
GI Descrip.	(Y07861) MFP1 protein [Lycopersicon esculentum]		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53319	Strand	-
Start	18816	End	32363
Name	OJ991114_43.9C08.C10.o7.gs	Method	GENSCAN
Start	25403	End	27557
GI	none	Score	.86
Exons	25403..25559, 25972..26389, 26545..26645, 26899..27041, 27498..27557		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o3.tm	Method	TBLASTX:Maize
Start	356	End	678
GI	none	Score	395
Exons	356..523, 357..671, 358..651, 424..678		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o5.tm	Method	TBLASTX:Maize
Start	1177	End	1490
GI	none	Score	297
Exons	1177..1482, 1179..1490		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o2.tw	Method	TBLASTX:Wheat
Start	1238	End	1625
GI	none	Score	258
Exons	1238..1501, 1239..1625, 1240..1614		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o9.tm	Method	TBLASTX:Maize
Start	6753	End	6925
GI	none	Score	86
Exons	6753..6878, 6755..6925, 6756..6914		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o4.tm	Method	TBLASTX:Maize
Start	7742	End	8699
GI	none	Score	160
Exons	7742..7897, 7743..8027, 7747..8049, 7748..8044, 7927..8058, 8139..8336, 8535..8699		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o1.tm	Method	TBLASTX:Maize
Start	9501	End	9978
GI	none	Score	37
Exons	9501..9566, 9502..9555, 9561..9716, 9570..9608, 9572..9733, 9589..9915, 9606..9977, 9607..9978		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o1.tw	Method	TBLASTX:Wheat
Start	9512	End	9935
GI	none	Score	172
Exons	9512..9733, 9513..9740, 9516..9716, 9523..9747, 9750..9935, 9766..9930		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o7.tm	Method	TBLASTX:Maize
Start	9996	End	10550
GI	none	Score	79
Exons	9996..10343, 10440..10550		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o4.tw	Method	TBLASTX:Wheat
Start	10056	End	10343

GI	none	Score	218
Exons	10056..10343		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o8.tm	Method	TBLASTX:Maize
Start	18811	End	19112
GI	none	Score	127
Exons	18811..19107, 18813..19112, 18820..18984, 18828..19019		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o3.tw	Method	TBLASTX:Wheat
Start	18834	End	19223
GI	none	Score	125
Exons	18834..19019, 18845..19003, 18849..19223, 19131..19217		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o1.ts	Method	TBLASTX:Soybean
Start	19074	End	19484
GI	none	Score	290
Exons	19074..19484		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o2.tm	Method	TBLASTX:Maize
Start	19203	End	19724
GI	none	Score	101
Exons	19203..19286, 19216..19290, 19290..19628, 19294..19542, 19302..19598, 19560..19724		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o6.tm	Method	TBLASTX:Maize
Start	19776	End	20273
GI	none	Score	329
Exons	19776..20225, 19778..20272, 19782..20273, 19799..20272		

Seq. No.	25676	Seq. ID	OJ991114_43.9C08.C10
Gene No.	53320	Strand	-
Start	39722	End	42979
Name	OJ991114_43.9C08.C10.o6.np	Method	AAT/NAP
Start	39722	End	42979
GI	4680214	Score	280
Exons	39722..39754, 42125..42979		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53321	Strand	+
Start	112	End	972
Name	OJ991114_43.9C08.C11.o1.gs	Method	GENSCAN

Start	112	End	972
GI	none	Score	.69
Exons	112..218, 567..709, 893..972		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53322	Strand	+
Start	12638	End	12984
Name	OJ991114_43.9C08.C11.o2.gp	Method	AAT/GAP
Start	12638	End	12984
GI	none	Score	656
Exons	12638..12984		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53323	Strand	-
Start	1436	End	11070
Name	OJ991114_43.9C08.C11.o2.gs	Method	GENSCAN
Start	1436	End	11070
GI	none	Score	.94
Exons	1436..1906, 2379..2506, 2996..3137, 3186..3572, 3712..3897, 4049..4326, 4424..4550, 4937..5109, 5277..5324, 5401..5434, 5504..5632, 6532..6627, 7086..7152, 7421..7515, 8189..8284, 8794..9889, 10889..11070		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53323	Strand	-
Start	1436	End	11070
Name	OJ991114_43.9C08.C11.o1.np	Method	AAT/NAP
Start	1439	End	9987
GI	4775578	Score	3594
Exons	1439..1906, 2379..2506, 2996..3092, 3186..3572, 3712..3897, 4049..4326, 4424..4550, 4913..5109, 5277..5324, 5401..5434, 5504..5632, 6532..6627, 7086..7152, 7697..7752, 8189..8284, 8794..9987		
GI Descrip.	(AJ238786) MUS2 protein [Zea mays]		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53323	Strand	-
Start	1436	End	11070
Name	OJ991114_43.9C08.C11.o1.gp	Method	AAT/GAP
Start	1774	End	3299
GI	uC-osf1cyp031f07b1	Score	864
Exons	1774..1906, 2379..2506, 2996..3092, 3186..3299		
GI Descrip.	'4775580/emb|CAB42556.1| 5.0e-76 (AJ238787) MUS2 protein [Zea mays]'		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53324	Strand	-
Start	12382	End	13000
Name	OJ991114_43.9C08.C11.o2.ts	Method	TBLASTX:Soybean
Start	1772	End	3099
GI	none	Score	114
Exons	1772..1918, 1791..1907, 2376..2525, 2376..2504, 2992..3099, 2994..3092		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53324	Strand	-
Start	12382	End	13000

Name	OJ991114_43.9C08.C11.o1.tm	Method	TBLASTX:Maize
Start	3415	End	4279
GI	none	Score	154
Exons	3415..3549, 3420..3563, 3422..3574, 3423..3563, 3709..3900, 3712..3894, 4045..4278, 4046..4279, 4046..4279		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53324	Strand	-
Start	12382	End	13000
Name	OJ991114_43.9C08.C11.o1.ts	Method	TBLASTX:Soybean
Start	4205	End	4550
GI	none	Score	68
Exons	4205..4318, 4205..4330, 4422..4550, 4423..4545		

Seq. No.	25677	Seq. ID	OJ991114_43.9C08.C11
Gene No.	53324	Strand	-
Start	12382	End	13000
Name	OJ991114_43.9C08.C11.o3.gs	Method	GENSCAN
Start	12382	End	13000
GI	none	Score	.69
Exons	12382..13000		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53325	Strand	+
Start	7531	End	11248
Name	OJ991114_43.9C08.C12.o1.gp	Method	AAT/GAP
Start	6934	End	7823
GI	36935_1.R1084	Score	878
Exons	6934..7053, 7482..7823		
GI Descrip.	'5902359/gb|AAD55461.1|AC009322_1 2.0e-30 (AC009322) Heat-shock protein [Arabidopsis thaliana]'		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53325	Strand	+
Start	7531	End	11248
Name	OJ991114_43.9C08.C12.o1.np	Method	AAT/NAP
Start	7531	End	11248
GI	5902359	Score	2481
Exons	7531..8700, 9573..9782, 9889..9984, 10081..10302, 10876..11070, 11144..11248		
GI Descrip.	(AC009322) Heat-shock protein [Arabidopsis thaliana] gi|6453873|gb|AAF09057.1|AC011717_24 (AC011717) putative heat-shock protein [Arabidopsis thaliana]		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53325	Strand	+
Start	7531	End	11248
Name	OJ991114_43.9C08.C12.o2.gs	Method	GENSCAN
Start	7531	End	11237
GI	none	Score	.85
Exons	7531..8700, 9573..9782, 9889..9984, 10081..10194, 10876..11070, 11144..11237		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53325	Strand	+
Start	7531	End	11248
Name	OJ991114_43.9C08.C12.o2.gp	Method	AAT/GAP

Start	8224	End	8707
GI	uC-osroM202006f05b1	Score	903
Exons	8224..8707		
GI Descrip.	'1495251/emb|CAA94389| 1.0e-67 (Z70314) heat-shock protein [Arabidopsis thaliana]'		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53325	Strand	+
Start	7531	End	11248
Name	OJ991114_43.9C08.C12.o3.gp	Method	AAT/GAP
Start	10194	End	11248
GI	18323_1.R1084	Score	682
Exons	10194..10302, 10876..11070, 11144..11248		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53326	Strand	-
Start	219	End	2794
Name	OJ991114_43.9C08.C12.o1.gs	Method	GENSCAN
Start	219	End	2794
GI	none	Score	.93
Exons	219..330, 509..598, 672..834, 956..1062, 1196..1277, 1361..1398, 1481..1567, 2405..2515, 2657..2794		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o1.tw	Method	TBLASTX:Wheat
Start	7492	End	11073
GI	none	Score	365
Exons	7492..8085, 7542..7826, 8113..8595, 8113..8346, 8150..8236, 8214..8594, 8589..8672, 8590..8673, 10936..11073		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o2.tm	Method	TBLASTX:Maize
Start	7517	End	7848
GI	none	Score	81
Exons	7517..7606, 7521..7826, 7522..7848		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o2.ts	Method	TBLASTX:Soybean
Start	7522	End	7808
GI	none	Score	417
Exons	7522..7806, 7522..7803, 7524..7808		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o1.tc	Method	TBLASTX:Cress
Start	7524	End	11248
GI	none	Score	1754
Exons	7524..8702, 7531..8715, 9519..9638, 9633..9785, 9692..9793,		

9889..9981, 9891..9992, 9892..9987, 10873..11073, 10878..11072, 10888..11076, 11120..11248, 11141..11248

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o1.ts	Method	TBLASTX:Soybean
Start	7825	End	11248
GI	none	Score	1325
Exons	7825..8703, 7866..8702, 8600..8716, 9537..9614, 9572..9613, 9618..9731, 9633..9704, 9730..9774, 9732..9785, 9891..9992, 9892..9987, 10138..10200, 10177..10305, 10873..11073, 10873..11070, 10875..11072, 11141..11248, 11148..11246		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o3.tm	Method	TBLASTX:Maize
Start	7848	End	8031
GI	none	Score	280
Exons	7848..8030, 7849..8031		

Seq. No.	25678	Seq. ID	OJ991114_43.9C08.C12
Gene No.	53327	Strand	
Start	7492	End	11248
Name	OJ991114_43.9C08.C12.o1.tm	Method	TBLASTX:Maize
Start	8031	End	11248
GI	none	Score	519
Exons	8031..8702, 8032..8703, 8033..8386, 8041..8700, 8073..8702, 8435..8716, 9519..9785, 9571..9780, 9572..9793, 9891..9992, 9892..9981, 10125..10205, 10134..10205, 10135..10209, 10148..10222, 10262..10303, 10263..10304, 10263..10304, 10264..10305, 10788..10862, 10873..11073, 10873..11070, 10875..11081, 10959..11075, 11033..11095, 11117..11248, 11141..11248		

Seq. No.	25679	Seq. ID	OJ991114_43.9C08.C13
Gene No.	53328	Strand	+
Start	1	End	768
Name	OJ991114_43.9C08.C13.o1.np	Method	AAT/NAP
Start	1	End	768
GI	6453855	Score	105
Exons	1..173, 355..768		
GI Descrip.	(AC011717) unknown protein [Arabidopsis thaliana]		

Seq. No.	25679	Seq. ID	OJ991114_43.9C08.C13
Gene No.	53328	Strand	+
Start	1	End	768
Name	OJ991114_43.9C08.C13.o1.gs	Method	GENSCAN
Start	69	End	755
GI	none	Score	.99
Exons	69..755		

Seq. No.	25679	Seq. ID	OJ991114_43.9C08.C13
Gene No.	53328	Strand	+
Start	1	End	768
Name	OJ991114_43.9C08.C13.o1.ts	Method	TBLASTX:Soybean

Start	427	End	732
GI	none	Score	171
Exons	427..573, 462..572, 691..732		

Seq. No.	25680	Seq. ID	OJ991114_43.9C08.C15
Gene No.	53329	Strand	+
Start	406	End	717
Name	OJ991114_43.9C08.C15.o1.gs	Method	GENSCAN
Start	406	End	717
GI	none	Score	.97
Exons	406..717		

Seq. No.	25681	Seq. ID	OJ991114_43.9C08.C16
Gene No.	53330	Strand	-
Start	144	End	540
Name	OJ991114_43.9C08.C16.o1.np	Method	AAT/NAP
Start	144	End	540
GI	2239136	Score	134
Exons	144..313, 518..540		
GI Descrip.	(Y13730) NDH-A protein [Hordeum vulgare]		

Seq. No.	25682	Seq. ID	OJ991114_43.9C08.C17
Gene No.	53331	Strand	-
Start	385	End	439
Name	OJ991114_43.9C08.C17.o1.gs	Method	GENSCAN
Start	385	End	439
GI	none	Score	.91
Exons	385..439		

Seq. No.	25683	Seq. ID	OJ991114_44.9C30.C2
Gene No.	53332	Strand	+
Start	27	End	412
Name	OJ991114_44.9C30.C2.o1.gp	Method	AAT/GAP
Start	27	End	412
GI	uC-osf1cyp177b01b1	Score	574
Exons	27..412		
GI Descrip.	'4191791 3.0e-29 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]'		

Seq. No.	25683	Seq. ID	OJ991114_44.9C30.C2
Gene No.	53332	Strand	+
Start	27	End	412
Name	OJ991114_44.9C30.C2.o1.gs	Method	GENSCAN
Start	222	End	332
GI	none	Score	.73
Exons	222..332		

Seq. No.	25683	Seq. ID	OJ991114_44.9C30.C2
Gene No.	53333	Strand	-
Start	281	End	577
Name	OJ991114_44.9C30.C2.o2.gp	Method	AAT/GAP
Start	281	End	577
GI	none	Score	494
Exons	281..577		

Seq. No.	25683	Seq. ID	OJ991114_44.9C30.C2
Gene No.	53334	Strand	-

Start	905	End	1006
Name	OJ991114_44.9C30.C2.o2.gs	Method	GENSCAN
Start	905	End	1006
GI	none	Score	.61
Exons	905..1006		

Seq. No.	25684	Seq. ID	OJ991114_44.9C30.C5
Gene No.	53335	Strand	+
Start	228	End	364
Name	OJ991114_44.9C30.C5.o1.gs	Method	GENSCAN
Start	228	End	364
GI	none	Score	.4
Exons	228..364		

Seq. No.	25685	Seq. ID	OJ991114_44.9C30.C6
Gene No.	53336	Strand	+
Start	37	End	226
Name	OJ991114_44.9C30.C6.o1.gs	Method	GENSCAN
Start	37	End	226
GI	none	Score	1
Exons	37..226		

Seq. No.	25685	Seq. ID	OJ991114_44.9C30.C6
Gene No.	53337	Strand	+
Start	708	End	837
Name	OJ991114_44.9C30.C6.o1.np	Method	AAT/NAP
Start	708	End	837
GI	2062176	Score	147
Exons	708..837		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53338	Strand	+
Start	336	End	1056
Name	OJ991114_44.9C30.C9.o1.gp	Method	AAT/GAP
Start	336	End	582
GI	65275_2.R1084	Score	390
Exons	336..582		
GI Descrip.	'3288564/emb|CAA65776| 1.0e-14 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]'		

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53338	Strand	+
Start	336	End	1056
Name	OJ991114_44.9C30.C9.o1.gs	Method	GENSCAN
Start	446	End	1056
GI	none	Score	.77
Exons	446..553, 616..771, 896..1056		

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53338	Strand	+
Start	336	End	1056
Name	OJ991114_44.9C30.C9.o1.np	Method	AAT/NAP
Start	446	End	1056
GI	3288564	Score	707
Exons	446..771, 896..1056		

GI Descrip. (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53339	Strand	-
Start	881	End	1064
Name	OJ991114_44.9C30.C9.o1.ts	Method	TBLASTX:Soybean
Start	496	End	1057
GI	none	Score	52
Exons	496..546, 497..547, 552..581, 895..1056, 896..1057	583..657, 597..656, 718..768,	

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53339	Strand	-
Start	881	End	1064
Name	OJ991114_44.9C30.C9.o1.tc	Method	TBLASTX:Cress
Start	497	End	1051
GI	none	Score	55
Exons	497..547, 499..546, 552..581, 892..1050, 893..1051	583..657, 591..650, 718..771,	

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53339	Strand	-
Start	881	End	1064
Name	OJ991114_44.9C30.C9.o1.tw	Method	TBLASTX:Wheat
Start	718	End	1057
GI	none	Score	57
Exons	718..771, 738..755, 856..954, 892..1056, 893..1057		

Seq. No.	25686	Seq. ID	OJ991114_44.9C30.C9
Gene No.	53339	Strand	-
Start	881	End	1064
Name	OJ991114_44.9C30.C9.o2.gp	Method	AAT/GAP
Start	881	End	1064
GI	4881122	Score	322
Exons	881..1064		

GI Descrip. 3288564/emb|CAA65776| 8.0e-43 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]

Seq. No.	25687	Seq. ID	OJ991114_44.9C30.C14
Gene No.	53340	Strand	+
Start	1	End	258
Name	OJ991114_44.9C30.C14.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	3061151	Score	431
Exons	1..258		

Seq. No.	25688	Seq. ID	OJ991114_44.9C30.C16
Gene No.	53341	Strand	+
Start	353	End	1381
Name	OJ991114_44.9C30.C16.o1.gs	Method	GENSCAN
Start	353	End	1381
GI	none	Score	.83
Exons	353..404, 869..1058, 1077..1292, 1333..1381		

Seq. No.	25688	Seq. ID	OJ991114_44.9C30.C16
Gene No.	53342	Strand	-

Start	895	End	1445
Name	OJ991114_44.9C30.C16.o1.np	Method	AAT/NAP
Start	895	End	1445
GI	6466937	Score	196
Exons	895..1445		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25688	Seq. ID	OJ991114_44.9C30.C16
Gene No.	53342	Strand	-
Start	895	End	1445
Name	OJ991114_44.9C30.C16.o1.tm	Method	TBLASTX:Maize
Start	978	End	1441
GI	none	Score	60
Exons	978..1100, 986..1171, 989..1159, 1012..1170, 1201..1350, 1237..1344, 1349..1441		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o1.np	Method	AAT/NAP
Start	90	End	1948
GI	4680179	Score	1459
Exons	90..1175, 1209..1948		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o1.gs	Method	GENSCAN
Start	93	End	1879
GI	none	Score	.79
Exons	93..1879		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o1.tw	Method	TBLASTX:Wheat
Start	324	End	686
GI	none	Score	293
Exons	324..686, 326..685		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o1.tm	Method	TBLASTX:Maize
Start	567	End	872
GI	none	Score	229
Exons	567..872, 581..697		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o3.tw	Method	TBLASTX:Wheat
Start	687	End	917
GI	none	Score	173
Exons	687..917		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o2.tm	Method	TBLASTX:Maize
Start	1200	End	1553
GI	none	Score	189
Exons	1200..1553, 1202..1369		

Seq. No.	25689	Seq. ID	OJ991114_44.9C30.C17
Gene No.	53343	Strand	+
Start	90	End	1948
Name	OJ991114_44.9C30.C17.o2.tw	Method	TBLASTX:Wheat
Start	1235	End	1604
GI	none	Score	159
Exons	1235..1444, 1236..1445, 1490..1603, 1491..1604		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53344	Strand	+
Start	5047	End	6201
Name	OJ991114_44.9C30.C18.o2.np	Method	AAT/NAP
Start	5047	End	6201
GI	629693	Score	387
Exons	5047..6201		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53344	Strand	+
Start	5047	End	6201
Name	OJ991114_44.9C30.C18.o3.gs	Method	GENSCAN
Start	5281	End	5868
GI	none	Score	.79
Exons	5281..5868		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53345	Strand	+
Start	7782	End	9873
Name	OJ991114_44.9C30.C18.o4.gs	Method	GENSCAN
Start	7782	End	9873
GI	none	Score	.57
Exons	7782..8296, 8311..8765, 9008..9873		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53346	Strand	+
Start	14454	End	17340
Name	OJ991114_44.9C30.C18.o3.np	Method	AAT/NAP
Start	14454	End	17340
GI	6691191	Score	2714
Exons	14454..17340		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53347	Strand	+
Start	21174	End	22423
Name	OJ991114_44.9C30.C18.o4.np	Method	AAT/NAP
Start	21174	End	22423

GI	5852181	Score	105
Exons	21174..21370, 22360..22423		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53347	Strand	+
Start	21174	End	22423
Name	OJ991114_44.9C30.C18.o5.np	Method	AAT/NAP
Start	22007	End	22423
GI	2832245	Score	209
Exons	22007..22423		
GI Descrip.	(AF031569) hypothetical protein [Zea mays]		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53348	Strand	-
Start	1	End	4023
Name	OJ991114_44.9C30.C18.o1.np	Method	AAT/NAP
Start	1	End	3984
GI	5295971	Score	379
Exons	1..38, 3144..3984		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53348	Strand	-
Start	1	End	4023
Name	OJ991114_44.9C30.C18.o2.gs	Method	GENSCAN
Start	3133	End	4023
GI	none	Score	.99
Exons	3133..4023		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53348	Strand	-
Start	1	End	4023
Name	OJ991114_44.9C30.C18.o3.tm	Method	TBLASTX:Maize
Start	3373	End	3700
GI	none	Score	169
Exons	3373..3699, 3392..3700		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53348	Strand	-
Start	1	End	4023
Name	OJ991114_44.9C30.C18.o5.ts	Method	TBLASTX:Soybean
Start	3376	End	3765
GI	none	Score	104
Exons	3376..3765, 3389..3700		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53348	Strand	-
Start	1	End	4023
Name	OJ991114_44.9C30.C18.o7.tw	Method	TBLASTX:Wheat
Start	3395	End	3807
GI	none	Score	94
Exons	3395..3586, 3424..3807, 3520..3597, 3629..3766		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18

Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o4.ts	Method	TBLASTX:Soybean
Start	5350	End	16721
GI	none	Score	97
Exons	5350..5574, 16464..16721, 16490..16720		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o9.tw	Method	TBLASTX:Wheat
Start	5352	End	16727
GI	none	Score	124
Exons	5352..5504, 5353..5583, 16491..16727, 16494..16715, 16496..16726		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o2.ts	Method	TBLASTX:Soybean
Start	5629	End	17247
GI	none	Score	69
Exons	5629..5772, 16759..17148, 16760..16942, 16761..17015, 17052..17147, 17158..17247		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o4.tw	Method	TBLASTX:Wheat
Start	5653	End	17153
GI	none	Score	63
Exons	5653..5772, 16771..17151, 16827..17153		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o8.tw	Method	TBLASTX:Wheat
Start	9097	End	13579
GI	none	Score	80
Exons	9097..9267, 13226..13579		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o10.tw	Method	TBLASTX:Wheat
Start	10180	End	10536
GI	none	Score	77
Exons	10180..10305, 10312..10536, 10446..10532		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o2.tw	Method	TBLASTX:Wheat
Start	10729	End	15115
GI	none	Score	447
Exons	10729..11160, 10755..11183, 14906..15115		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18

Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o1.ts	Method	TBLASTX:Soybean
Start	10768	End	15076
GI	none	Score	101
Exons	10768..10992, 10999..11133, 14651..15076, 14677..14916, 14951..15076		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o1.tm	Method	TBLASTX:Maize
Start	10857	End	15157
GI	none	Score	413
Exons	10857..11213, 10858..11214, 14906..15157, 14924..14995, 15050..15157		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o1.tw	Method	TBLASTX:Wheat
Start	11209	End	15583
GI	none	Score	148
Exons	11209..11580, 11355..11501, 15152..15583, 15173..15559		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o2.tm	Method	TBLASTX:Maize
Start	11242	End	15523
GI	none	Score	387
Exons	11242..11625, 11278..11520, 11352..11612, 15185..15523		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o3.ts	Method	TBLASTX:Soybean
Start	11407	End	15559
GI	none	Score	112
Exons	11407..11580, 15305..15364, 15350..15559, 15350..15559		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o11.tw	Method	TBLASTX:Wheat
Start	14660	End	14901
GI	none	Score	222
Exons	14660..14899, 14668..14901		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o6.tw	Method	TBLASTX:Wheat
Start	15619	End	15890
GI	none	Score	67
Exons	15619..15819, 15632..15775, 15636..15890, 15685..15858		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o4.tm	Method	TBLASTX:Maize
Start	15723	End	16034
GI	none	Score	215
Exons	15723..16034		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o3.tw	Method	TBLASTX:Wheat
Start	15903	End	16373
GI	none	Score	199
Exons	15903..16106, 15906..16073, 16095..16190, 16170..16373		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o6.ts	Method	TBLASTX:Soybean
Start	15909	End	16043
GI	none	Score	199
Exons	15909..16043, 15909..16025, 15923..16030		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53349	Strand	
Start	5350	End	17247
Name	OJ991114_44.9C30.C18.o1.tc	Method	TBLASTX:Cress
Start	16086	End	16469
GI	none	Score	55
Exons	16086..16145, 16167..16469, 16181..16267, 16319..16468		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53350	Strand	
Start	21602	End	22036
Name	OJ991114_44.9C30.C18.o7.ts	Method	TBLASTX:Soybean
Start	21602	End	21973
GI	none	Score	192
Exons	21602..21973		

Seq. No.	25690	Seq. ID	OJ991114_44.9C30.C18
Gene No.	53350	Strand	
Start	21602	End	22036
Name	OJ991114_44.9C30.C18.o5.tw	Method	TBLASTX:Wheat
Start	21605	End	22036
GI	none	Score	325
Exons	21605..22036, 21607..22029		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53351	Strand	+
Start	1	End	7569
Name	OJ991114_44.9C30.C19.o1.np	Method	AAT/NAP
Start	1	End	3549
GI	6721516	Score	633
Exons	1..268, 678..769, 1261..1501, 1911..2240, 3492..3549		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53351	Strand	+
Start	1	End	7569
Name	OJ991114_44.9C30.C19.o1.gs	Method	GENSCAN
Start	166	End	7569
GI	none	Score	.57
Exons	166..284, 391..560, 678..855, 1935..2118, 3570..3888, 4213..4316, 7021..7569		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53351	Strand	+
Start	1	End	7569
Name	OJ991114_44.9C30.C19.o3.gp	Method	AAT/GAP
Start	5990	End	6242
GI	LIB3475-004-P1-K2-A5	Score	427
Exons	5990..6242		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53352	Strand	+
Start	12455	End	20866
Name	OJ991114_44.9C30.C19.o5.gp	Method	AAT/GAP
Start	12350	End	12733
GI	uC-osflcyp033a04b1	Score	685
Exons	12350..12733		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53352	Strand	+
Start	12455	End	20866
Name	OJ991114_44.9C30.C19.o3.gs	Method	GENSCAN
Start	12455	End	20866
GI	none	Score	.94
Exons	12455..12520, 13623..14388, 14427..14455, 14677..19180, 19909..20200, 20331..20502, 20759..20866		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53352	Strand	+
Start	12455	End	20866
Name	OJ991114_44.9C30.C19.o3.np	Method	AAT/NAP
Start	14674	End	19194
GI	4680179	Score	5405
Exons	14674..15757, 15791..19194		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53353	Strand	+
Start	21384	End	23497
Name	OJ991114_44.9C30.C19.o6.gp	Method	AAT/GAP
Start	21279	End	21664
GI	uC-osflcyp033a04b1	Score	649
Exons	21279..21664		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53353	Strand	+
Start	21384	End	23497
Name	OJ991114_44.9C30.C19.o4.gs	Method	GENSCAN
Start	21384	End	23387
GI	none	Score	.98
Exons	21384..21449, 22701..23387		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53353	Strand	+
Start	21384	End	23497
Name	OJ991114_44.9C30.C19.o7.np	Method	AAT/NAP
Start	22701	End	23497
GI	4512231	Score	1270
Exons	22701..23497		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53354	Strand	-
Start	5591	End	5841
Name	OJ991114_44.9C30.C19.o2.gp	Method	AAT/GAP
Start	5591	End	5841
GI	LIB3475-004-P1-K2-A5	Score	424
Exons	5591..5841		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53355	Strand	-
Start	8280	End	13848
Name	OJ991114_44.9C30.C19.o2.gs	Method	GENSCAN
Start	8280	End	11367
GI	none	Score	.43
Exons	8280..8771, 8820..8952, 9317..9392, 9533..10214, 10957..11367		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53355	Strand	-
Start	8280	End	13848
Name	OJ991114_44.9C30.C19.o2.np	Method	AAT/NAP
Start	8283	End	13848
GI	4680179	Score	2959
Exons	8283..10309, 13818..13848		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o7.tm	Method	TBLASTX:Maize
Start	5566	End	6209
GI	none	Score	105
Exons	5566..5682, 5567..5692, 5570..5695, 5571..5708, 5680..5796, 5686..5808, 5688..5810, 5688..5810, 5965..6081, 5966..6091, 5969..6094, 5970..6107, 6079..6195, 6080..6208, 6087..6209, 6087..6209		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-

Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o6.tw	Method	TBLASTX:Wheat
Start	8328	End	19149
GI	none	Score	70
Exons	8328..8660, 8379..8510, 8380..8661, 18816..19085, 18817..19149, 18820..19128		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o1.tm	Method	TBLASTX:Maize
Start	8523	End	18969
GI	none	Score	115
Exons	8523..8948, 8524..8721, 8785..8949, 8946..9107, 8953..9108, 18370..18531, 18378..18524, 18529..18969, 18531..18953, 18691..18954		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o1.tw	Method	TBLASTX:Wheat
Start	8661	End	18816
GI	none	Score	44
Exons	8661..9287, 8662..8721, 8670..9230, 8782..9285, 18190..18816, 18246..18704, 18691..18813		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o3.tm	Method	TBLASTX:Maize
Start	9156	End	18321
GI	none	Score	87
Exons	9156..9446, 9159..9302, 9160..9447, 9160..9447, 18029..18190, 18030..18317, 18031..18321		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o2.ts	Method	TBLASTX:Soybean
Start	9246	End	18231
GI	none	Score	186
Exons	9246..9506, 9247..9495, 17971..18231, 17976..18230		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o1.tc	Method	TBLASTX:Cress
Start	9270	End	18207
GI	none	Score	81
Exons	9270..9413, 9271..9411, 9414..9596, 17890..18063, 18064..18207, 18066..18206		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o2.tw	Method	TBLASTX:Wheat
Start	9294	End	18183

GI	none	Score	323
Exons	9294..9833, 9298..9669, 17616..18182, 17647..18183		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o2.tm	Method	TBLASTX:Maize
Start	9861	End	17625
GI	none	Score	193
Exons	9861..10214, 9868..10209, 17262..17612, 17263..17616, 17263..17625		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o3.tw	Method	TBLASTX:Wheat
Start	9861	End	17613
GI	none	Score	202
Exons	9861..10169, 9861..10286, 9868..10284, 17191..17613, 17223..17612		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o3.ts	Method	TBLASTX:Soybean
Start	10032	End	17442
GI	none	Score	38
Exons	10032..10280, 10051..10095, 10135..10254, 17197..17442, 17214..17342		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o9.tw	Method	TBLASTX:Wheat
Start	14857	End	15116
GI	none	Score	211
Exons	14857..14904, 14917..15114, 14919..15116		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o7.tw	Method	TBLASTX:Wheat
Start	15150	End	15501
GI	none	Score	293
Exons	15150..15329, 15151..15501		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o6.tm	Method	TBLASTX:Maize
Start	15151	End	15456
GI	none	Score	232
Exons	15151..15456, 15165..15281		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522

Name	OJ991114_44.9C30.C19.o8.tm	Method	TBLASTX:Maize
Start	15786	End	16137
GI	none	Score	191
Exons	15786..15953, 15814..16137		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o8.tw	Method	TBLASTX:Wheat
Start	15819	End	16242
GI	none	Score	158
Exons	15819..16028, 15820..16029, 16074..16187, 16075..16242		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o4.tw	Method	TBLASTX:Wheat
Start	16357	End	16839
GI	none	Score	51
Exons	16357..16407, 16461..16796, 16462..16839		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o5.tm	Method	TBLASTX:Maize
Start	16369	End	16658
GI	none	Score	274
Exons	16369..16656, 16467..16658		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o4.tm	Method	TBLASTX:Maize
Start	16726	End	17226
GI	none	Score	167
Exons	16726..16905, 16734..16880, 16912..17226, 17052..17105, 17133..17183		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o1.ts	Method	TBLASTX:Soybean
Start	16780	End	17175
GI	none	Score	57
Exons	16780..16812, 16782..16811, 16816..17175, 16817..16849, 16818..16856, 16884..17174, 16903..17175		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o5.tw	Method	TBLASTX:Wheat
Start	16888	End	17190
GI	none	Score	369
Exons	16888..17190, 16890..17174, 16891..17184		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-

Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o5.np	Method	AAT/NAP
Start	17507	End	21566
GI	5852180	Score	611
Exons	17507..17528, 19945..20355, 20407..20524, 21513..21566		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o4.np	Method	AAT/NAP
Start	19942	End	22467
GI	5852180	Score	596
Exons	19942..20355, 20407..20524, 21513..21560, 22435..22467		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	25691	Seq. ID	OJ991114_44.9C30.C19
Gene No.	53356	Strand	-
Start	17507	End	23522
Name	OJ991114_44.9C30.C19.o6.np	Method	AAT/NAP
Start	21212	End	23522
GI	4680186	Score	324
Exons	21212..21413, 22250..22310, 23406..23522		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o1.np	Method	AAT/NAP
Start	1	End	2810
GI	4680179	Score	2379
Exons	1..805, 833..2208, 2776..2810		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o1.gs	Method	GENSCAN
Start	166	End	2293
GI	none	Score	.76
Exons	166..1740, 1815..2244, 2270..2293		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o3.tw	Method	TBLASTX:Wheat
Start	205	End	556
GI	none	Score	313
Exons	205..360, 206..556, 354..398		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o2.tm	Method	TBLASTX:Maize
Start	206	End	544
GI	none	Score	238
Exons	206..544, 232..363, 233..451		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o4.tw	Method	TBLASTX:Wheat
Start	890	End	1243
GI	none	Score	253
Exons	890..1243		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o1.tm	Method	TBLASTX:Maize
Start	1394	End	1677
GI	none	Score	326
Exons	1394..1675, 1435..1677		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o1.tw	Method	TBLASTX:Wheat
Start	1394	End	1813
GI	none	Score	469
Exons	1394..1813, 1435..1800		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o2.ts	Method	TBLASTX:Soybean
Start	1412	End	1723
GI	none	Score	193
Exons	1412..1723		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o3.tm	Method	TBLASTX:Maize
Start	1745	End	2199
GI	none	Score	58
Exons	1745..1801, 1834..1881, 1936..2016, 2022..2120, 2023..2199		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o1.ts	Method	TBLASTX:Soybean
Start	1834	End	2190
GI	none	Score	178
Exons	1834..2019, 1836..1877, 1950..2018, 2019..2180, 2026..2190		

Seq. No.	25692	Seq. ID	OJ991114_44.9C30.C20
Gene No.	53357	Strand	+
Start	1	End	2810
Name	OJ991114_44.9C30.C20.o2.tw	Method	TBLASTX:Wheat
Start	1936	End	2216
GI	none	Score	123
Exons	1936..2019, 1944..2018, 2019..2216, 2023..2208		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o1.np	Method	AAT/NAP
Start	1	End	1548
GI	6466937	Score	877
Exons	1..1548		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	290
GI	none	Score	65
Exons	1..210, 3..290		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o2.tm	Method	TBLASTX:Maize
Start	3	End	410
GI	none	Score	68
Exons	3..284, 52..204, 290..409, 291..410		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o2.tw	Method	TBLASTX:Wheat
Start	67	End	290
GI	none	Score	69
Exons	67..219, 87..290, 93..290		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o1.tw	Method	TBLASTX:Wheat
Start	308	End	790
GI	none	Score	212
Exons	308..790, 312..779		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o1.tc	Method	TBLASTX:Cress
Start	338	End	661
GI	none	Score	44
Exons	338..661, 341..430, 489..638		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o1.tm	Method	TBLASTX:Maize
Start	411	End	886
GI	none	Score	278
Exons	411..830, 412..828, 413..886		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o2.ts	Method	TBLASTX:Soybean
Start	452	End	754
GI	none	Score	184
Exons	452..754		

Seq. No.	25693	Seq. ID	OJ991114_44.9C30.C22
Gene No.	53358	Strand	-
Start	1	End	1837
Name	OJ991114_44.9C30.C22.o1.gs	Method	GENSCAN
Start	614	End	1837
GI	none	Score	.82
Exons	614..1251, 1722..1837		

Seq. No.	25694	Seq. ID	OJ991114_44.9C30.C23
Gene No.	53359	Strand	+
Start	289	End	502
Name	OJ991114_44.9C30.C23.o1.gs	Method	GENSCAN
Start	289	End	502
GI	none	Score	.44
Exons	289..502		

Seq. No.	25695	Seq. ID	OJ991114_44.9C30.C24
Gene No.	53360	Strand	-
Start	229	End	683
Name	OJ991114_44.9C30.C24.o1.gp	Method	AAT/GAP
Start	229	End	683
GI	95437_1.R1084	Score	774
Exons	229..683		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	25696	Seq. ID	OJ991114_44.9C30.C25
Gene No.	53361	Strand	+
Start	1	End	2794
Name	OJ991114_44.9C30.C25.o1.np	Method	AAT/NAP
Start	1	End	2794
GI	5852180	Score	419
Exons	1..435, 2755..2794		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	25696	Seq. ID	OJ991114_44.9C30.C25
Gene No.	53362	Strand	-
Start	1876	End	2794
Name	OJ991114_44.9C30.C25.o2.np	Method	AAT/NAP
Start	1876	End	2794
GI	6063554	Score	139
Exons	1876..2049, 2726..2794		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25696	Seq. ID	OJ991114_44.9C30.C25

Gene No.	53362	Strand	-
Start	1876	End	2794
Name	OJ991114_44.9C30.C25.o3.np	Method	AAT/NAP
Start	2601	End	2695
GI	5852178	Score	125
Exons	2601..2695		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53363	Strand	+
Start	1	End	3071
Name	OJ991114_44.9C30.C26.o1.gp	Method	AAT/GAP
Start	1	End	1492
GI	314_3.R1084	Score	1269
Exons	1..62, 207..332, 425..541, 714..835, 1170..1492		
GI Descrip.	'543867/sp|P26360|ATP3_IPOBA 1.0e-137 ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR >gi_1076684_pir__A47493 H+-transporting ATP synthase (EC 3.6.1.34) gamma chain precursor - sweet potato >gi_303626_dbj_BAA03526_ (D14699) F1-ATPase gammma subunit [Ipomoea batatas]'		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53363	Strand	+
Start	1	End	3071
Name	OJ991114_44.9C30.C26.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	543867	Score	486
Exons	1..52, 195..332, 425..541, 714..835, 1170..1236		
GI Descrip.	ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR gi|1076684|pir||A47493 H+-transporting ATP synthase (EC 3.6.1.34) gamma chain precursor - sweet potato gi|303626|dbj|BAA03526| (D14699) F1-ATPase gammma subunit [Ipomoea batatas]		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53363	Strand	+
Start	1	End	3071
Name	OJ991114_44.9C30.C26.o1.gs	Method	GENSCAN
Start	210	End	3071
GI	none	Score	.77
Exons	210..332, 425..541, 714..835, 3014..3071		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53364	Strand	+
Start	3894	End	19352
Name	OJ991114_44.9C30.C26.o4.np	Method	AAT/NAP
Start	3713	End	19020
GI	161752	Score	118
Exons	3713..3752, 5970..6102, 17832..18048, 18196..18332, 18366..18441, 18587..18665, 18933..19020		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53364	Strand	+
Start	3894	End	19352
Name	OJ991114_44.9C30.C26.o2.gs	Method	GENSCAN

Start	3894	End	5057
GI	none	Score	.72
Exons	3894..3946, 3967..4035, 4188..4305, 4473..5057		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53364	Strand	+
Start	3894	End	19352
Name	OJ991114_44.9C30.C26.o3.gs	Method	GENSCAN
Start	6800	End	10464
GI	none	Score	.66
Exons	6800..6850, 6945..7159, 7321..7808, 7914..8416, 8497..8575, 8663..8922, 8998..9057, 9163..9246, 9327..9677, 9729..9953, 10198..10464		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53364	Strand	+
Start	3894	End	19352
Name	OJ991114_44.9C30.C26.o5.gs	Method	GENSCAN
Start	14510	End	15528
GI	none	Score	.81
Exons	14510..14883, 15065..15186, 15443..15528		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53364	Strand	+
Start	3894	End	19352
Name	OJ991114_44.9C30.C26.o6.gs	Method	GENSCAN
Start	16052	End	19352
GI	none	Score	.84
Exons	16052..16132, 17685..19088, 19197..19352		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53365	Strand	-
Start	2692	End	2972
Name	OJ991114_44.9C30.C26.o2.gp	Method	AAT/GAP
Start	2692	End	2972
GI	31877_1.R1084	Score	204
Exons	2692..2769, 2904..2972		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o1.tc	Method	TBLASTX:Cress
Start	207	End	1236
GI	none	Score	179
Exons	207..335, 233..331, 448..546, 449..562, 713..835, 714..836, 718..849, 718..843, 1167..1226, 1167..1232, 1168..1233, 1168..1236		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o2.tm	Method	TBLASTX:Maize
Start	207	End	1354
GI	none	Score	197
Exons	207..335, 207..332, 211..333, 236..334, 431..544, 448..546,		

713..835, 714..836, 715..837, 1156..1239, 1167..1238,
1167..1280, 1168..1254, 1324..1350, 1328..1354

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o2.ts	Method	TBLASTX:Soybean
Start	207	End	1239
GI	none	Score	185
Exons	207..335, 207..323, 233..352, 448..546, 449..562, 713..835, 714..836, 715..843, 716..859, 1167..1235, 1168..1239		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o5.tw	Method	TBLASTX:Wheat
Start	426	End	1365
GI	none	Score	124
Exons	426..542, 452..562, 453..542, 454..546, 713..835, 714..836, 714..842, 715..843, 716..847, 1167..1265, 1167..1265, 1168..1269, 1333..1365		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o3.gp	Method	AAT/GAP
Start	7156	End	7465
GI	2309703	Score	525
Exons	7156..7465		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o3.np	Method	AAT/NAP
Start	7307	End	16343
GI	5852180	Score	636
Exons	7307..7382, 13878..13925, 14629..15040, 15092..15208, 16286..16343		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o6.ts	Method	TBLASTX:Soybean
Start	10421	End	10653
GI	none	Score	47
Exons	10421..10462, 10426..10464, 10486..10653, 10487..10651		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o2.np	Method	AAT/NAP
Start	10432	End	13505
GI	4206306	Score	1221
Exons	10432..13505		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o2.tw	Method	TBLASTX:Wheat
Start	10483	End	10836
GI	none	Score	88
Exons	10483..10836, 10490..10687, 10745..10828		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o4.ts	Method	TBLASTX:Soybean
Start	10996	End	11391
GI	none	Score	227
Exons	10996..11391		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o4.tm	Method	TBLASTX:Maize
Start	11017	End	11397
GI	none	Score	94
Exons	11017..11241, 11239..11397		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o6.tw	Method	TBLASTX:Wheat
Start	11122	End	11415
GI	none	Score	138
Exons	11122..11226, 11251..11415		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o4.tw	Method	TBLASTX:Wheat
Start	11816	End	12214
GI	none	Score	66
Exons	11816..12085, 11934..12074, 12125..12214		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o1.ts	Method	TBLASTX:Soybean
Start	11849	End	12259
GI	none	Score	102
Exons	11849..12100, 11934..12101, 12108..12257, 12122..12259, 12122..12259		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o3.ts	Method	TBLASTX:Soybean
Start	12440	End	12880
GI	none	Score	82
Exons	12440..12598, 12441..12554, 12594..12842, 12599..12880		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o3.tw	Method	TBLASTX:Wheat
Start	12497	End	12895
GI	none	Score	102
Exons	12497..12598, 12560..12895, 12564..12878		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o1.tm	Method	TBLASTX:Maize
Start	12566	End	13027
GI	none	Score	223
Exons	12566..13027, 12567..12878, 12638..13027		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o1.tw	Method	TBLASTX:Wheat
Start	12896	End	13301
GI	none	Score	152
Exons	12896..13249, 12911..13240, 12939..13241, 13244..13300, 13254..13301		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o3.tm	Method	TBLASTX:Maize
Start	13028	End	13246
GI	none	Score	186
Exons	13028..13246, 13029..13241, 13046..13246		

Seq. No.	25697	Seq. ID	OJ991114_44.9C30.C26
Gene No.	53366	Strand	-
Start	7156	End	16343
Name	OJ991114_44.9C30.C26.o5.ts	Method	TBLASTX:Soybean
Start	13097	End	13451
GI	none	Score	68
Exons	13097..13231, 13238..13450, 13272..13451		

Seq. No.	25698	Seq. ID	OJ991114_44.9C30.C27
Gene No.	53367	Strand	+
Start	70	End	575
Name	OJ991114_44.9C30.C27.o1.gs	Method	GENSCAN
Start	70	End	575
GI	none	Score	.93
Exons	70..146, 509..575		

Seq. No.	25698	Seq. ID	OJ991114_44.9C30.C27
Gene No.	53368	Strand	-
Start	1	End	3843
Name	OJ991114_44.9C30.C27.o2.np	Method	AAT/NAP
Start	1	End	2543
GI	4567294	Score	45
Exons	1..28, 2336..2543		
GI Descrip.	(AC006918) putative Athila retroelement ORF1 protein		

[Arabidopsis thaliana]

Seq. No.	25698	Seq. ID	OJ991114_44.9C30.C27
Gene No.	53368	Strand	-
Start	1	End	3843
Name	OJ991114_44.9C30.C27.o2.gs	Method	GENSCAN
Start	1019	End	3843
GI	none	Score	.42
Exons	1019..1516, 2077..2229, 2653..2835, 3480..3843		

Seq. No.	25699	Seq. ID	OJ991114_44.9C30.C28
Gene No.	53369	Strand	+
Start	1	End	618
Name	OJ991114_44.9C30.C28.o1.np	Method	AAT/NAP
Start	1	End	618
GI	1084415	Score	137
Exons	1..171, 279..385, 587..618		
GI Descrip.	RNA-binding protein - Wood tobacco gi|624925|dbj|BAA05170| (D26182) RNA-binding glycine rich protein (RGP-2) [Nicotiana sylvestris]		

Seq. No.	25699	Seq. ID	OJ991114_44.9C30.C28
Gene No.	53369	Strand	+
Start	1	End	618
Name	OJ991114_44.9C30.C28.o1.gp	Method	AAT/GAP
Start	99	End	387
GI	3759893	Score	298
Exons	99..171, 279..387		
GI Descrip.	1084415/pir||S46286 5.0e-31 RNA-binding protein - Wood tobacco >gi_624925_dbj_BAA05170_ (D26182) RNA-binding glycine rich protein (RGP-2) [Nicotiana sylvestris]		

Seq. No.	25699	Seq. ID	OJ991114_44.9C30.C28
Gene No.	53369	Strand	+
Start	1	End	618
Name	OJ991114_44.9C30.C28.o1.tm	Method	TBLASTX:Maize
Start	101	End	401
GI	none	Score	85
Exons	101..175, 102..170, 278..385, 294..401		

Seq. No.	25699	Seq. ID	OJ991114_44.9C30.C28
Gene No.	53369	Strand	+
Start	1	End	618
Name	OJ991114_44.9C30.C28.o1.ts	Method	TBLASTX:Soybean
Start	102	End	385
GI	none	Score	91
Exons	102..170, 111..173, 259..327, 278..385, 278..385		

Seq. No.	25699	Seq. ID	OJ991114_44.9C30.C28
Gene No.	53369	Strand	+
Start	1	End	618
Name	OJ991114_44.9C30.C28.o1.gs	Method	GENSCAN
Start	103	End	385
GI	none	Score	1
Exons	103..171, 279..385		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29

Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o1.np	Method	AAT/NAP
Start	1	End	1249
GI	4680179	Score	1770
Exons	1..1249		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o2.tw	Method	TBLASTX:Wheat
Start	2	End	326
GI	none	Score	508
Exons	2..325, 3..326		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o1.tm	Method	TBLASTX:Maize
Start	5	End	338
GI	none	Score	460
Exons	5..334, 6..338		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o1.gs	Method	GENSCAN
Start	39	End	1034
GI	none	Score	.53
Exons	39..1034		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o1.tw	Method	TBLASTX:Wheat
Start	327	End	905
GI	none	Score	653
Exons	327..905, 338..901		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o1.tc	Method	TBLASTX:Cress
Start	612	End	929
GI	none	Score	90
Exons	612..785, 786..929, 788..928		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o1.ts	Method	TBLASTX:Soybean
Start	693	End	953
GI	none	Score	297
Exons	693..953, 696..944, 698..952		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29

Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o2.tm	Method	TBLASTX:Maize
Start	714	End	973
GI	none	Score	363
Exons	714..956, 717..971, 719..973, 821..973		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o3.tw	Method	TBLASTX:Wheat
Start	912	End	1247
GI	none	Score	113
Exons	912..1019, 968..1015, 1015..1083, 1058..1246, 1064..1234, 1077..1247		

Seq. No.	25700	Seq. ID	OJ991114_44.9C30.C29
Gene No.	53370	Strand	+
Start	1	End	1249
Name	OJ991114_44.9C30.C29.o3.tm	Method	TBLASTX:Maize
Start	975	End	1187
GI	none	Score	67
Exons	975..1022, 1014..1064, 1015..1083, 1065..1187, 1077..1181		

Seq. No.	25701	Seq. ID	OJ991114_44.9C30.C30
Gene No.	53371	Strand	+
Start	1	End	747
Name	OJ991114_44.9C30.C30.o1.np	Method	AAT/NAP
Start	1	End	747
GI	4680179	Score	990
Exons	1..747		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25701	Seq. ID	OJ991114_44.9C30.C30
Gene No.	53371	Strand	+
Start	1	End	747
Name	OJ991114_44.9C30.C30.o2.tm	Method	TBLASTX:Maize
Start	1	End	232
GI	none	Score	96
Exons	1..108, 3..65, 89..232, 121..228		

Seq. No.	25701	Seq. ID	OJ991114_44.9C30.C30
Gene No.	53371	Strand	+
Start	1	End	747
Name	OJ991114_44.9C30.C30.o2.tw	Method	TBLASTX:Wheat
Start	1	End	220
GI	none	Score	119
Exons	1..111, 3..86, 38..220, 121..219		

Seq. No.	25701	Seq. ID	OJ991114_44.9C30.C30
Gene No.	53371	Strand	+
Start	1	End	747
Name	OJ991114_44.9C30.C30.o1.gs	Method	GENSCAN
Start	119	End	709
GI	none	Score	.61
Exons	119..709		

Seq. No.	25701	Seq. ID	OJ991114_44.9C30.C30
Gene No.	53371	Strand	+
Start	1	End	747
Name	OJ991114_44.9C30.C30.o1.tw	Method	TBLASTX:Wheat
Start	221	End	747
GI	none	Score	573
Exons	221..745, 232..747, 345..746, 544..747		

Seq. No.	25701	Seq. ID	OJ991114_44.9C30.C30
Gene No.	53371	Strand	+
Start	1	End	747
Name	OJ991114_44.9C30.C30.o1.tm	Method	TBLASTX:Maize
Start	458	End	747
GI	none	Score	255
Exons	458..745, 473..613, 559..747		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53372	Strand	+
Start	1724	End	6588
Name	OJ991114_44.9C30.C31.o1.gs	Method	GENSCAN
Start	1724	End	6588
GI	none	Score	.45
Exons	1724..1954, 3644..3759, 4516..4576, 5381..5465, 5635..5703, 5811..5917, 6517..6588		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53372	Strand	+
Start	1724	End	6588
Name	OJ991114_44.9C30.C31.o1.gp	Method	AAT/GAP
Start	5077	End	5917
GI	3759893	Score	568
Exons	5077..5107, 5381..5502, 5635..5703, 5811..5917		
GI Descrip.	1084415/pir||S46286 5.0e-31 RNA-binding protein - Wood tobacco >gi_624925_dbj_BAA05170_ (D26182) RNA-binding glycine rich protein (RGP-2) [Nicotiana sylvestris]		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53372	Strand	+
Start	1724	End	6588
Name	OJ991114_44.9C30.C31.o1.np	Method	AAT/NAP
Start	5394	End	5917
GI	1084415	Score	208
Exons	5394..5502, 5635..5703, 5811..5917		
GI Descrip.	RNA-binding protein - Wood tobacco gi|624925|dbj|BAA05170| (D26182) RNA-binding glycine rich protein (RGP-2) [Nicotiana sylvestris]		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53373	Strand	-
Start	4924	End	12196
Name	OJ991114_44.9C30.C31.o2.np	Method	AAT/NAP
Start	4924	End	12196
GI	6498436	Score	155
Exons	4924..4999, 7062..7260, 11106..11192, 11362..11457, 12163..12196		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31

Gene No.	53373	Strand	-
Start	4924	End	12196
Name	OJ991114_44.9C30.C31.o1.tm	Method	TBLASTX:Maize
Start	5385	End	5933
GI	none	Score	74
Exons	5385..5483, 5481..5504, 5633..5707, 5634..5702, 5810..5917, 5826..5933		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53373	Strand	-
Start	4924	End	12196
Name	OJ991114_44.9C30.C31.o1.ts	Method	TBLASTX:Soybean
Start	5394	End	5917
GI	none	Score	50
Exons	5394..5438, 5442..5486, 5481..5504, 5634..5702, 5643..5705, 5791..5859, 5810..5917		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53373	Strand	-
Start	4924	End	12196
Name	OJ991114_44.9C30.C31.o2.gs	Method	GENSCAN
Start	7307	End	8592
GI	none	Score	.93
Exons	7307..7330, 7858..8026, 8474..8592		

Seq. No.	25702	Seq. ID	OJ991114_44.9C30.C31
Gene No.	53373	Strand	-
Start	4924	End	12196
Name	OJ991114_44.9C30.C31.o3.gs	Method	GENSCAN
Start	10523	End	11938
GI	none	Score	.71
Exons	10523..10975, 11408..11543, 11808..11938		

Seq. No.	25703	Seq. ID	OJ991114_44.9C30.C32
Gene No.	53374	Strand	-
Start	247	End	322
Name	OJ991114_44.9C30.C32.o1.gs	Method	GENSCAN
Start	247	End	322
GI	none	Score	.42
Exons	247..322		

Seq. No.	25704	Seq. ID	OJ991114_31.9C13.C1
Gene No.	53375	Strand	-
Start	1	End	641
Name	OJ991114_31.9C13.C1.o1.np	Method	AAT/NAP
Start	1	End	641
GI	2498930	Score	741
Exons	1..410, 578..641		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	25704	Seq. ID	OJ991114_31.9C13.C1
Gene No.	53375	Strand	-
Start	1	End	641
Name	OJ991114_31.9C13.C1.o1.gs	Method	GENSCAN
Start	16	End	637
GI	none	Score	1

Exons	16..410, 578..637		
Seq. No.	25705	Seq. ID	OJ991114_31.9C13.C2
Gene No.	53376	Strand	-
Start	1	End	450
Name	OJ991114_31.9C13.C2.o1.np	Method	AAT/NAP
Start	1	End	450
GI	3645899	Score	198
Exons	1..450		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	25705	Seq. ID	OJ991114_31.9C13.C2
Gene No.	53377	Strand	-
Start	378	End	2286
Name	OJ991114_31.9C13.C2.o1.gs	Method	GENSCAN
Start	378	End	2286
GI	none	Score	.44
Exons	378..445, 526..747, 791..1409, 1766..2005, 2119..2286		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53378	Strand	+
Start	511	End	2642
Name	OJ991114_31.9C13.C3.o1.gs	Method	GENSCAN
Start	511	End	2642
GI	none	Score	.77
Exons	511..588, 1151..1185, 1613..1731, 1750..1930, 2224..2378, 2482..2642		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53378	Strand	+
Start	511	End	2642
Name	OJ991114_31.9C13.C3.o1.np	Method	AAT/NAP
Start	1000	End	1868
GI	4680186	Score	193
Exons	1000..1162, 1737..1868		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53379	Strand	+
Start	12814	End	26308
Name	OJ991114_31.9C13.C3.o3.gs	Method	GENSCAN
Start	12814	End	26304
GI	none	Score	.7
Exons	12814..12819, 13177..14171, 14988..15158, 15324..15348, 15428..15554, 16096..16224, 16537..16682, 17561..17695, 20260..20301, 21565..21670, 22498..22624, 22827..22875, 22907..23382, 23422..23641, 24145..24486, 24508..24699, 24975..25116, 25694..25780, 25856..26304		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53379	Strand	+
Start	12814	End	26308
Name	OJ991114_31.9C13.C3.o4.np	Method	AAT/NAP
Start	24056	End	26308
GI	6967112	Score	373
Exons	24056..24075, 25480..25780, 25856..26308		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53380	Strand	+
Start	37786	End	45986
Name	OJ991114_31.9C13.C3.o7.gs	Method	GENSCAN
Start	37786	End	45986
GI	none	Score	.62
Exons	37786..37790, 38473..38668, 39004..39083, 39176..39269, 39414..39512, 39983..40183, 40863..40966, 41175..41247, 42158..42355, 45957..45986		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53380	Strand	+
Start	37786	End	45986
Name	OJ991114_31.9C13.C3.o6.np	Method	AAT/NAP
Start	37999	End	41523
GI	3047118	Score	440
Exons	37999..38057, 39176..39269, 39414..39512, 40091..40183, 40263..40355, 40863..40970, 41179..41251, 41447..41523		
GI Descrip.	(AF058919) No definition line found [Arabidopsis thaliana]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53381	Strand	+
Start	48046	End	48201
Name	OJ991114_31.9C13.C3.o8.gs	Method	GENSCAN
Start	48046	End	48201
GI	none	Score	.76
Exons	48046..48201		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53382	Strand	+
Start	49276	End	50015
Name	OJ991114_31.9C13.C3.o10.gs	Method	GENSCAN
Start	49276	End	50015
GI	none	Score	.44
Exons	49276..49347, 49381..49691, 49709..50015		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53383	Strand	+
Start	53445	End	59548
Name	OJ991114_31.9C13.C3.o7.np	Method	AAT/NAP
Start	53445	End	59512
GI	5922631	Score	6509
Exons	53445..53568, 53827..54068, 54337..54511, 54557..55121, 55164..55326, 55453..56377, 56984..59512		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53383	Strand	+
Start	53445	End	59548
Name	OJ991114_31.9C13.C3.o13.gs	Method	GENSCAN

Start	57439	End	59548
GI	none	Score	.7
Exons	57439..58716, 58766..59548		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53384	Strand	+
Start	75357	End	75446
Name	OJ991114_31.9C13.C3.o5.gp	Method	AAT/GAP
Start	75357	End	75446
GI	3760640	Score	81
Exons	75357..75446		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53385	Strand	+
Start	81281	End	81682
Name	OJ991114_31.9C13.C3.o10.np	Method	AAT/NAP
Start	81281	End	81682
GI	6630699	Score	125
Exons	81281..81512, 81602..81682		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53386	Strand	+
Start	84766	End	84843
Name	OJ991114_31.9C13.C3.o12.np	Method	AAT/NAP
Start	84766	End	84843
GI	6630699	Score	88
Exons	84766..84843		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53387	Strand	+
Start	84979	End	85409
Name	OJ991114_31.9C13.C3.o13.np	Method	AAT/NAP
Start	84979	End	85409
GI	6539570	Score	182
Exons	84979..85185, 85355..85409		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776
Name	OJ991114_31.9C13.C3.o2.np	Method	AAT/NAP
Start	2341	End	3902
GI	4680186	Score	177
Exons	2341..2374, 3735..3902		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776

Name	OJ991114_31.9C13.C3.o2.gs	Method	GENSCAN
Start	3286	End	12089
GI	none	Score	.61
Exons	3286..3409, 3713..3914, 4267..4390, 4560..4671, 5379..5508, 6410..6543, 7326..7419, 10900..11008, 11883..11931, 12064..12089		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776
Name	OJ991114_31.9C13.C3.o3.np	Method	AAT/NAP
Start	5437	End	49776
GI	2832633	Score	709
Exons	5437..5508, 6098..6261, 6410..6543, 7326..7419, 10900..11008, 11883..11931, 49756..49776		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776
Name	OJ991114_31.9C13.C3.o1.gp	Method	AAT/GAP
Start	28770	End	32966
GI	2605620	Score	2675
Exons	28770..29818, 32541..32670, 32783..32966		
GI Descrip.	2605621/dbj|BAA23339| 1.0e-117 (D88619) OSMYB3 [Oryza sativa]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776
Name	OJ991114_31.9C13.C3.o5.np	Method	AAT/NAP
Start	29119	End	32915
GI	2605621	Score	1649
Exons	29119..29818, 32541..32670, 32783..32915		
GI Descrip.	(D88619) OSMYB3 [Oryza sativa]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776
Name	OJ991114_31.9C13.C3.o2.gp	Method	AAT/GAP
Start	46300	End	46607
GI	72524_1.R1084	Score	427
Exons	46300..46607		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53388	Strand	-
Start	2341	End	49776
Name	OJ991114_31.9C13.C3.o9.gs	Method	GENSCAN
Start	48632	End	49162
GI	none	Score	1
Exons	48632..49162		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53389	Strand	-
Start	50969	End	52094
Name	OJ991114_31.9C13.C3.o11.gs	Method	GENSCAN
Start	50969	End	52094

GI	none	Score	.75
Exons	50969..51670, 51768..52094		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53390	Strand	-
Start	52269	End	52585
Name	OJ991114_31.9C13.C3.o3.gp	Method	AAT/GAP
Start	52269	End	52585
GI	72524_1.R1084	Score	411
Exons	52269..52585		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53391	Strand	-
Start	59868	End	62779
Name	OJ991114_31.9C13.C3.o14.gs	Method	GENSCAN
Start	59868	End	62779
GI	none	Score	.94
Exons	59868..60319, 60382..60459, 60559..60748, 60823..61022, 61088..61443, 61520..61809, 61896..62230, 62389..62779		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53391	Strand	-
Start	59868	End	62779
Name	OJ991114_31.9C13.C3.o8.np	Method	AAT/NAP
Start	59880	End	62779
GI	6691716	Score	2494
Exons	59880..60319, 60382..60494, 60645..60748, 60823..61010, 61088..61267, 61346..61443, 61520..61694, 61886..62779		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53392	Strand	-
Start	66143	End	66920
Name	OJ991114_31.9C13.C3.o15.gs	Method	GENSCAN
Start	66143	End	66920
GI	none	Score	.63
Exons	66143..66224, 66859..66920		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53393	Strand	-
Start	67900	End	79710
Name	OJ991114_31.9C13.C3.o9.np	Method	AAT/NAP
Start	67900	End	70148
GI	4680201	Score	262
Exons	67900..67948, 69839..70148		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53393	Strand	-
Start	67900	End	79710
Name	OJ991114_31.9C13.C3.o4.gp	Method	AAT/GAP
Start	69783	End	71462
GI	43390_1.R1084	Score	996

Exons 69783..70226, 71387..71462
GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'

Seq. No. 25706 Seq. ID OJ991114_31.9C13.C3
Gene No. 53393 Strand -
Start 67900 End 79710
Name OJ991114_31.9C13.C3.o16.gs Method GENSCAN
Start 69786 End 79710
GI none Score .64
Exons 69786..70226, 71132..71413, 73680..73809, 74120..74313, 74593..74917, 79706..79710

Seq. No. 25706 Seq. ID OJ991114_31.9C13.C3
Gene No. 53394 Strand -
Start 81119 End 81439
Name OJ991114_31.9C13.C3.o17.gs Method GENSCAN
Start 81119 End 81439
GI none Score .94
Exons 81119..81439

Seq. No. 25706 Seq. ID OJ991114_31.9C13.C3
Gene No. 53395 Strand -
Start 81598 End 84704
Name OJ991114_31.9C13.C3.o6.gp Method AAT/GAP
Start 81598 End 82025
GI LIB3479-006-Q6-K1-B11 Score 606
Exons 81598..82025
GI Descrip. '5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'

Seq. No. 25706 Seq. ID OJ991114_31.9C13.C3
Gene No. 53395 Strand -
Start 81598 End 84704
Name OJ991114_31.9C13.C3.o18.gs Method GENSCAN
Start 81818 End 84689
GI none Score .73
Exons 81818..81932, 81938..82128, 82399..82531, 82585..82754, 83122..83318, 83510..83783, 83979..84142, 84458..84482, 84528..84689

Seq. No. 25706 Seq. ID OJ991114_31.9C13.C3
Gene No. 53395 Strand -
Start 81598 End 84704
Name OJ991114_31.9C13.C3.o11.np Method AAT/NAP
Start 81821 End 84704
GI 5922620 Score 481
Exons 81821..82028, 82583..82684, 83312..83493, 83670..83740, 84458..84482, 84528..84704
GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 25706 Seq. ID OJ991114_31.9C13.C3
Gene No. 53396 Strand -

Start	84979	End	85113
Name	OJ991114_31.9C13.C3.o19.gs	Method	GENSCAN
Start	84979	End	85113
GI	none	Score	.79
Exons	84979..85113		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o4.ts	Method	TBLASTX:Soybean
Start	5446	End	11933
GI	none	Score	161
Exons	5446..5523, 6096..6266, 6101..6262, 6405..6545, 6407..6556, 6408..6542, 6409..6546, 7212..7451, 7322..7417, 10893..11009, 10898..11011, 11883..11933		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o6.tm	Method	TBLASTX:Maize
Start	6091	End	11017
GI	none	Score	73
Exons	6091..6225, 6096..6272, 6098..6262, 6408..6539, 6408..6545, 6419..6550, 7236..7472, 7322..7417, 10893..11009, 10898..11017, 10898..11011		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o2.tc	Method	TBLASTX:Cress
Start	6176	End	11933
GI	none	Score	90
Exons	6176..6262, 6177..6272, 6408..6545, 6417..6542, 7218..7451, 7322..7417, 10893..11009, 10898..11011, 11883..11933		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o10.tw	Method	TBLASTX:Wheat
Start	25417	End	25782
GI	none	Score	260
Exons	25417..25782, 25486..25737		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o2.ts	Method	TBLASTX:Soybean
Start	25518	End	25953
GI	none	Score	206
Exons	25518..25574, 25522..25782, 25644..25730, 25855..25953		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o4.tm	Method	TBLASTX:Maize
Start	25537	End	26064
GI	none	Score	88

Exons	25537..25596, 25627..25740, 25638..25739, 25852..26040, 25855..26064		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o7.ts	Method	TBLASTX:Soybean
Start	25959	End	26201
GI	none	Score	199
Exons	25959..26201, 25960..26169		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o11.tm	Method	TBLASTX:Maize
Start	27722	End	28030
GI	none	Score	168
Exons	27722..27829, 27723..27899, 27723..27896, 27857..27910, 27899..28030		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o1.tc	Method	TBLASTX:Cress
Start	29725	End	32904
GI	none	Score	105
Exons	29725..29850, 29726..29827, 32540..32587, 32540..32674, 32616..32687, 32779..32904, 32781..32903		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o1.ts	Method	TBLASTX:Soybean
Start	29725	End	32916
GI	none	Score	100
Exons	29725..29850, 29741..29827, 32540..32674, 32781..32915, 32848..32916		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o5.tm	Method	TBLASTX:Maize
Start	29734	End	32928
GI	none	Score	98
Exons	29734..29856, 29744..29827, 32540..32674, 32541..32675, 32781..32924, 32782..32928		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o7.tw	Method	TBLASTX:Wheat
Start	32540	End	32921
GI	none	Score	58
Exons	32540..32674, 32543..32611, 32616..32675, 32779..32916, 32781..32915, 32783..32920, 32802..32921		
Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3

Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o8.tm	Method	TBLASTX:Maize
Start	40105	End	40391
GI	none	Score	109
Exons	40105..40158, 40106..40186, 40241..40387, 40260..40391		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o9.tw	Method	TBLASTX:Wheat
Start	54726	End	55127
GI	none	Score	280
Exons	54726..55127		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o8.tw	Method	TBLASTX:Wheat
Start	55719	End	56168
GI	none	Score	91
Exons	55719..55823, 55938..56168, 55942..56166		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o2.tw	Method	TBLASTX:Wheat
Start	56359	End	56718
GI	none	Score	425
Exons	56359..56718, 56373..56717, 56374..56718		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o6.ts	Method	TBLASTX:Soybean
Start	56434	End	56799
GI	none	Score	138
Exons	56434..56658, 56665..56799		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o2.tm	Method	TBLASTX:Maize
Start	56524	End	56880
GI	none	Score	372
Exons	56524..56880, 56565..56870		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o1.tw	Method	TBLASTX:Wheat
Start	56749	End	57168
GI	none	Score	503
Exons	56749..57168, 56751..57167		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-

Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o3.tm	Method	TBLASTX:Maize
Start	56908	End	57291
GI	none	Score	348
Exons	56908..57291, 57012..57290		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o3.ts	Method	TBLASTX:Soybean
Start	57013	End	57417
GI	none	Score	270
Exons	57013..57417, 57060..57203, 57076..57357		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o5.tw	Method	TBLASTX:Wheat
Start	57213	End	57642
GI	none	Score	402
Exons	57213..57398, 57214..57642		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o5.ts	Method	TBLASTX:Soybean
Start	57670	End	58058
GI	none	Score	77
Exons	57670..57774, 57810..58058, 57814..58056		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o4.tw	Method	TBLASTX:Wheat
Start	57679	End	58101
GI	none	Score	409
Exons	57679..58101, 57684..58025		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o12.tm	Method	TBLASTX:Maize
Start	57732	End	58005
GI	none	Score	122
Exons	57732..57782, 57733..57903, 57813..57902, 57907..58005		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o12.tw	Method	TBLASTX:Wheat
Start	58117	End	58416
GI	none	Score	139
Exons	58117..58266, 58318..58416		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945

Name	OJ991114_31.9C13.C3.o1.tm	Method	TBLASTX:Maize
Start	58415	End	58737
GI	none	Score	80
Exons	58415..58672, 58420..58737, 58434..58724		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o6.tw	Method	TBLASTX:Wheat
Start	58419	End	58807
GI	none	Score	359
Exons	58419..58730, 58420..58776, 58621..58731, 58775..58807, 58777..58806		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o3.tw	Method	TBLASTX:Wheat
Start	58922	End	59536
GI	none	Score	338
Exons	58922..59413, 58942..59031, 59077..59214, 59405..59536		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o9.tm	Method	TBLASTX:Maize
Start	59255	End	59497
GI	none	Score	155
Exons	59255..59416, 59341..59415, 59395..59496, 59396..59497		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o11.tw	Method	TBLASTX:Wheat
Start	62375	End	62683
GI	none	Score	61
Exons	62375..62683, 62406..62519		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o3.tc	Method	TBLASTX:Cress
Start	69932	End	70123
GI	none	Score	118
Exons	69932..69991, 69983..70123, 70011..70121		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o7.tm	Method	TBLASTX:Maize
Start	69959	End	70123
GI	none	Score	197
Exons	69959..70123, 69999..70115		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945

Name	OJ991114_31.9C13.C3.o7.gp	Method	AAT/GAP
Start	87098	End	88348
GI	none	Score	1032
Exons	87098..87244, 87345..87440, 87695..87868, 87952..88011, 88268..88348		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o20.gs	Method	GENSCAN
Start	87170	End	89518
GI	none	Score	.86
Exons	87170..87244, 87345..87440, 87695..87913, 88268..88348, 88530..88625, 89419..89518		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o10.tm	Method	TBLASTX:Maize
Start	87345	End	87866
GI	none	Score	101
Exons	87345..87434, 87345..87428, 87346..87435, 87688..87858, 87695..87859, 87696..87866, 87699..87866		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o8.gp	Method	AAT/GAP
Start	88535	End	89657
GI	none	Score	412
Exons	88535..88625, 89419..89477, 89569..89657		

Seq. No.	25706	Seq. ID	OJ991114_31.9C13.C3
Gene No.	53397	Strand	-
Start	87170	End	89945
Name	OJ991114_31.9C13.C3.o14.np	Method	AAT/NAP
Start	89365	End	89945
GI	6648164	Score	91
Exons	89365..89658, 89807..89945		
GI Descrip.	(AC010926) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25707	Seq. ID	OJ991114_31.9C13.C4
Gene No.	53398	Strand	+
Start	287	End	386
Name	OJ991114_31.9C13.C4.o1.gp	Method	AAT/GAP
Start	287	End	386
GI	57660_1.R1084	Score	196
Exons	287..386		
GI Descrip.	'2605621/dbj|BAA23339| 1.0e-117 (D88619) OSMYB3 [Oryza sativa]'		

Seq. No.	25707	Seq. ID	OJ991114_31.9C13.C4
Gene No.	53399	Strand	-
Start	19	End	136
Name	OJ991114_31.9C13.C4.o1.gs	Method	GENSCAN
Start	19	End	136
GI	none	Score	.63
Exons	19..136		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	4416302	Score	1011
Exons	1..1034		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o1.gs	Method	GENSCAN
Start	51	End	1034
GI	none	Score	.65
Exons	51..342, 454..1034		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o2.ts	Method	TBLASTX:Soybean
Start	141	End	374
GI	none	Score	179
Exons	141..374, 158..304		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o3.tm	Method	TBLASTX:Maize
Start	173	End	359
GI	none	Score	189
Exons	173..310, 174..356, 186..359		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o1.tw	Method	TBLASTX:Wheat
Start	180	End	611
GI	none	Score	105
Exons	180..329, 354..611		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o1.tm	Method	TBLASTX:Maize
Start	360	End	1013
GI	none	Score	735
Exons	360..1013, 365..982, 645..998		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o1.ts	Method	TBLASTX:Soybean
Start	375	End	1043
GI	none	Score	296
Exons	375..764, 479..721, 783..1043, 797..967		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o3.np	Method	AAT/NAP
Start	628	End	5237
GI	6069646	Score	606
Exons	628..655, 3739..4306, 4477..5237		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o1.tc	Method	TBLASTX:Cress
Start	648	End	1013
GI	none	Score	88
Exons	648..779, 768..1013		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o2.tw	Method	TBLASTX:Wheat
Start	648	End	968
GI	none	Score	95
Exons	648..773, 777..968, 792..968		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o2.np	Method	AAT/NAP
Start	2244	End	5237
GI	6539588	Score	237
Exons	2244..2270, 2986..3247, 4932..5237		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o4.tw	Method	TBLASTX:Wheat
Start	3690	End	4010
GI	none	Score	173
Exons	3690..4010, 3917..4009		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+
Start	1	End	5237
Name	OJ991114_31.9C13.C5.o2.tm	Method	TBLASTX:Maize
Start	3816	End	4487
GI	none	Score	202
Exons	3816..4025, 3827..4021, 4037..4483, 4038..4487		

Seq. No.	25708	Seq. ID	OJ991114_31.9C13.C5
Gene No.	53400	Strand	+

Start	1	End	5237
Name	OJ991114_31.9C13.C5.o3.tw	Method	TBLASTX:Wheat
Start	4134	End	4436
GI	none	Score	189
Exons	4134..4436		

Seq. No.	25709	Seq. ID	OJ991114_32.9C15.C1
Gene No.	53401	Strand	-
Start	615	End	1407
Name	OJ991114_32.9C15.C1.o1.gp	Method	AAT/GAP
Start	554	End	1106
GI	uC-osflcyp106b12b1	Score	864
Exons	554..857, 931..1106		
GI Descrip.	'1174521/sp|P41972|SYI_STAAU 9.0e-13 ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) >gi_541337_pir__S40178 isoleucine--tRNA ligase (EC 6.1.1.5) - Staphylococcus aureus >gi_437916_emb_CAA52296_ (X74219) isoleucyl-tRNA synthetase [Staphylococcus aureus]'		

Seq. No.	25709	Seq. ID	OJ991114_32.9C15.C1
Gene No.	53401	Strand	-
Start	615	End	1407
Name	OJ991114_32.9C15.C1.o1.gs	Method	GENSCAN
Start	615	End	1067
GI	none	Score	.84
Exons	615..857, 931..1067		

Seq. No.	25709	Seq. ID	OJ991114_32.9C15.C1
Gene No.	53401	Strand	-
Start	615	End	1407
Name	OJ991114_32.9C15.C1.o1.ts	Method	TBLASTX:Soybean
Start	619	End	863
GI	none	Score	144
Exons	619..777, 654..863, 654..860		

Seq. No.	25709	Seq. ID	OJ991114_32.9C15.C1
Gene No.	53401	Strand	-
Start	615	End	1407
Name	OJ991114_32.9C15.C1.o1.tm	Method	TBLASTX:Maize
Start	628	End	1100
GI	none	Score	247
Exons	628..885, 628..783, 629..847, 648..884, 925..1086, 925..1086, 929..1087, 930..1100		

Seq. No.	25709	Seq. ID	OJ991114_32.9C15.C1
Gene No.	53401	Strand	-
Start	615	End	1407
Name	OJ991114_32.9C15.C1.o1.np	Method	AAT/NAP
Start	642	End	1407
GI	2501011	Score	132
Exons	642..1112, 1380..1407		
GI Descrip.	ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) gi|1652625|dbj|BAA17545| (D90907) isoleucyl-tRNA synthetase [Synechocystis sp.]		

Seq. No.	25710	Seq. ID	OJ991114_32.9C15.C2
Gene No.	53402	Strand	-

Start	34	End	123
Name	OJ991114_32.9C15.C2.o1.gs	Method	GENSCAN
Start	34	End	123
GI	none	Score	.55
Exons	34..123		

Seq. No.	25711	Seq. ID	OJ991114_32.9C15.C6
Gene No.	53403	Strand	-
Start	1	End	620
Name	OJ991114_32.9C15.C6.o1.np	Method	AAT/NAP
Start	1	End	557
GI	4835775	Score	136
Exons	1..68, 257..369, 441..557		
GI Descrip.	(AC007296) EST gb|F14156 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	25711	Seq. ID	OJ991114_32.9C15.C6
Gene No.	53403	Strand	-
Start	1	End	620
Name	OJ991114_32.9C15.C6.o1.gs	Method	GENSCAN
Start	11	End	620
GI	none	Score	.86
Exons	11..138, 257..369, 441..620		

Seq. No.	25712	Seq. ID	OJ991114_32.9C15.C7
Gene No.	53404	Strand	+
Start	12	End	610
Name	OJ991114_32.9C15.C7.o1.gs	Method	GENSCAN
Start	12	End	610
GI	none	Score	.51
Exons	12..55, 433..610		

Seq. No.	25712	Seq. ID	OJ991114_32.9C15.C7
Gene No.	53405	Strand	-
Start	1	End	226
Name	OJ991114_32.9C15.C7.o1.gp	Method	AAT/GAP
Start	1	End	226
GI	2435_1.R1084	Score	448
Exons	1..226		
GI Descrip.	'303736/dbj|BAA02109| 2.0e-59 (D12541) GTP-binding protein [Pisum sativum] >gi_738934_prf__2001457B GTP-binding protein [Pisum sativum]'		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53406	Strand	+
Start	9196	End	11333
Name	OJ991114_32.9C15.C9.o2.gs	Method	GENSCAN
Start	9196	End	11333
GI	none	Score	.73
Exons	9196..9231, 11145..11333		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53407	Strand	+
Start	28662	End	28932
Name	OJ991114_32.9C15.C9.o4.gp	Method	AAT/GAP
Start	28662	End	28932
GI	61605_1.R1084	Score	415

Exons	28662..28932		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53408	Strand	+
Start	43416	End	55639
Name	OJ991114_32.9C15.C9.o7.gs	Method	GENSCAN
Start	43416	End	55639
GI	none	Score	.72
Exons	43416..43424, 43629..43705, 43779..43912, 44620..44790, 44887..45010, 45232..45418, 45512..45822, 46837..46867, 48203..48298, 49378..49440, 50024..50161, 50695..50800, 51075..51121, 54756..54915, 55032..55198, 55334..55639		
Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53408	Strand	+
Start	43416	End	55639
Name	OJ991114_32.9C15.C9.o6.np	Method	AAT/NAP
Start	43626	End	52240
GI	6634021	Score	275
Exons	43626..43705, 43779..43912, 44023..44169, 44682..44802, 44893..44996, 45230..45411, 52201..52240		
GI Descrip.	(AB002348) KIAA0350 protein [Homo sapiens]		
Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53408	Strand	+
Start	43416	End	55639
Name	OJ991114_32.9C15.C9.o5.gp	Method	AAT/GAP
Start	45734	End	49488
GI	2427615	Score	731
Exons	45734..45822, 47515..47603, 47690..47760, 48203..48313, 49378..49488		
Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53408	Strand	+
Start	43416	End	55639
Name	OJ991114_32.9C15.C9.o6.gp	Method	AAT/GAP
Start	51084	End	55411
GI	none	Score	769
Exons	51084..51121, 54756..54915, 55032..55198, 55334..55411		
Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53409	Strand	-
Start	13256	End	15060
Name	OJ991114_32.9C15.C9.o3.gs	Method	GENSCAN
Start	13256	End	14683
GI	none	Score	.41
Exons	13256..13284, 13445..13514, 13809..14020, 14129..14241, 14328..14683		
Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53409	Strand	-
Start	13256	End	15060
Name	OJ991114_32.9C15.C9.o1.np	Method	AAT/NAP
Start	13809	End	15060
GI	2827517	Score	113

Exons	13809..13973, 14993..15060		
GI Descrip.	(AL021633) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53410	Strand	-
Start	16083	End	36382
Name	OJ991114_32.9C15.C9.o4.gs	Method	GENSCAN
Start	16083	End	24141
GI	none	Score	.73
Exons	16083..16204, 17224..17284, 20450..20569, 20772..20890, 20967..21024, 22353..22383, 22511..22568, 22674..22858, 23987..24141		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53410	Strand	-
Start	16083	End	36382
Name	OJ991114_32.9C15.C9.o1.gp	Method	AAT/GAP
Start	17009	End	19028
GI	4716435	Score	626
Exons	17009..17147, 17224..17284, 18278..18345, 18956..19028		
GI Descrip.	5453692/ref|NP_006336.1|pHUEL| 1.0e-14 expressed in human embryonic lung >gi_2654559_gb_AAB87763.1_ (AF006621) embryonic lung protein [Homo sapiens]		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53410	Strand	-
Start	16083	End	36382
Name	OJ991114_32.9C15.C9.o2.np	Method	AAT/NAP
Start	17047	End	26977
GI	5453692	Score	374
Exons	17047..17150, 18237..18345, 18956..19028, 19107..19208, 20450..20569, 20772..20890, 20967..21024, 21142..21256, 21553..21608, 21696..21820, 26935..26977		
GI Descrip.	expressed in human embryonic lung gi|2654559|gb|AAB87763.1| (AF006621) embryonic lung protein [Homo sapiens]		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53410	Strand	-
Start	16083	End	36382
Name	OJ991114_32.9C15.C9.o2.gp	Method	AAT/GAP
Start	21256	End	21601
GI	2428457	Score	549
Exons	21256..21601		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53410	Strand	-
Start	16083	End	36382
Name	OJ991114_32.9C15.C9.o3.np	Method	AAT/NAP
Start	25129	End	30853
GI	6069646	Score	886
Exons	25129..25517, 28933..29532, 29815..30003, 30250..30853		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53410	Strand	-
Start	16083	End	36382
Name	OJ991114_32.9C15.C9.o5.gs	Method	GENSCAN
Start	26539	End	36382
GI	none	Score	.47
Exons	26539..26680, 26700..26967, 28020..28145, 28347..28451, 28912..29388, 30319..30474, 30476..30521, 30573..31125, 31471..32231, 32482..32694, 32969..33430, 33515..33721, 33779..33886, 33935..35302, 35328..35560, 35628..35993, 36120..36302, 36307..36382		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o9.tm	Method	TBLASTX:Maize
Start	16981	End	17310
GI	none	Score	163
Exons	16981..17157, 17029..17169, 17030..17173, 17042..17167, 17221..17310, 17222..17290		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o3.ts	Method	TBLASTX:Soybean
Start	17041	End	20507
GI	none	Score	125
Exons	17041..17148, 17042..17149, 17210..17287, 17223..17306, 18248..18367, 18278..18349, 18279..18368, 18279..18350, 18957..19028, 18958..19029, 18976..19047, 19051..19209, 19104..19208, 19165..19209, 20447..20506, 20448..20507		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o6.tm	Method	TBLASTX:Maize
Start	18278	End	19210
GI	none	Score	115
Exons	18278..18349, 18279..18368, 18957..19028, 18957..19028, 18958..19029, 19089..19208, 19104..19208, 19105..19209, 19106..19210		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o4.tm	Method	TBLASTX:Maize
Start	20490	End	21206
GI	none	Score	108
Exons	20490..20570, 20490..20567, 20761..20892, 20766..20891, 20770..20892, 20772..20921, 20950..21024, 20962..21018, 20966..21025, 21140..21205, 21146..21205, 21147..21206		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o1.ts	Method	TBLASTX:Soybean
Start	20766	End	21836

GI	none	Score	78
Exons	20766..20891, 20770..20892, 20772..20921, 20950..21045, 20962..21033, 20966..21037, 21142..21255, 21143..21256, 21149..21265, 21549..21614, 21562..21609, 21685..21825, 21690..21830, 21696..21836		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o1.tc	Method	TBLASTX:Cress
Start	21138	End	21830
GI	none	Score	87
Exons	21138..21254, 21145..21255, 21145..21255, 21146..21256, 21146..21256, 21549..21614, 21553..21609, 21685..21822, 21690..21830		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o10.tm	Method	TBLASTX:Maize
Start	25147	End	25353
GI	none	Score	88
Exons	25147..25353, 25157..25348		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o12.tm	Method	TBLASTX:Maize
Start	28932	End	29188
GI	none	Score	89
Exons	28932..29018, 28934..29020, 28935..29024, 29042..29188		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o1.tw	Method	TBLASTX:Wheat
Start	29407	End	29959
GI	none	Score	37
Exons	29407..29442, 29519..29677, 29561..29611, 29657..29959, 29667..29957		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o8.tm	Method	TBLASTX:Maize
Start	29444	End	29803
GI	none	Score	74
Exons	29444..29803, 29445..29633, 29677..29751		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o2.tm	Method	TBLASTX:Maize
Start	30461	End	30884
GI	none	Score	228
Exons	30461..30514, 30511..30858, 30516..30884		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o5.tm	Method	TBLASTX:Maize
Start	31036	End	31475
GI	none	Score	112
Exons	31036..31302, 31041..31313, 31365..31475		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o2.ts	Method	TBLASTX:Soybean
Start	43495	End	44129
GI	none	Score	66
Exons	43495..43548, 43626..43706, 43626..43691, 43628..43705, 43767..43910, 43774..43956, 44024..44113, 44025..44129		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o7.tm	Method	TBLASTX:Maize
Start	43821	End	44789
GI	none	Score	113
Exons	43821..43910, 43822..43956, 43822..43911, 44015..44116, 44024..44119, 44025..44129, 44191..44259, 44192..44257, 44199..44288, 44201..44263, 44681..44782, 44682..44789		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o3.tm	Method	TBLASTX:Maize
Start	44885	End	45881
GI	none	Score	173
Exons	44885..45067, 44886..45011, 45217..45312, 45230..45313, 45230..45313, 45312..45416, 45315..45416, 45316..45447, 45317..45418, 45507..45635, 45511..45633, 45512..45808, 45513..45653, 45596..45709, 45630..45731, 45631..45735, 45772..45807, 45837..45881		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o11.tm	Method	TBLASTX:Maize
Start	49384	End	50930
GI	none	Score	106
Exons	49384..49443, 49384..49443, 50021..50161, 50021..50161, 50022..50162, 50023..50163, 50032..50163, 50716..50799, 50731..50766, 50755..50799, 50894..50929, 50895..50930		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o1.tm	Method	TBLASTX:Maize
Start	50932	End	55992
GI	none	Score	55
Exons	50932..50970, 51074..51121, 54720..54944, 54720..54914, 54755..54964, 55021..55197, 55031..55198, 55031..55204,		

55318..55539, 55326..55640, 55334..55642, 55597..55641,
55626..55733, 55720..55761, 55769..55807, 55773..55805,
55793..55816, 55806..55895, 55828..55896, 55829..55897,
55846..55896, 55904..55984, 55910..55990, 55921..55992

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o5.ts	Method	TBLASTX:Soybean
Start	55021	End	55419
GI	none	Score	188
Exons	55021..55191, 55022..55192, 55031..55207, 55033..55194, 55035..55262, 55333..55419, 55334..55417		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o7.np	Method	AAT/NAP
Start	60989	End	64668
GI	4886278	Score	367
Exons	60989..61077, 63610..64228, 64334..64509, 64569..64668		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	25713	Seq. ID	OJ991114_32.9C15.C9
Gene No.	53411	Strand	-
Start	60989	End	64668
Name	OJ991114_32.9C15.C9.o4.ts	Method	TBLASTX:Soybean
Start	64366	End	64658
GI	none	Score	76
Exons	64366..64497, 64379..64489, 64581..64658, 64591..64653		

Seq. No.	25714	Seq. ID	OJ991114_32.9C15.C10
Gene No.	53412	Strand	+
Start	9	End	3146
Name	OJ991114_32.9C15.C10.o1.gs	Method	GENSCAN
Start	9	End	3146
GI	none	Score	.54
Exons	9..47, 579..730, 2591..2699, 2937..3146		

Seq. No.	25714	Seq. ID	OJ991114_32.9C15.C10
Gene No.	53413	Strand	+
Start	6838	End	9488
Name	OJ991114_32.9C15.C10.o2.gs	Method	GENSCAN
Start	6838	End	9488
GI	none	Score	.4
Exons	6838..6931, 8103..8136, 8172..8511, 9237..9280, 9308..9488		

Seq. No.	25714	Seq. ID	OJ991114_32.9C15.C10
Gene No.	53414	Strand	-
Start	13960	End	16627
Name	OJ991114_32.9C15.C10.o1.np	Method	AAT/NAP
Start	13960	End	16627
GI	6907090	Score	84
Exons	13960..14038, 14893..15217, 16566..16627		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	25715	Seq. ID	OJ991114_32.9C15.C11
Gene No.	53415	Strand	+
Start	2104	End	2322
Name	OJ991114_32.9C15.C11.o1.gs	Method	GENSCAN
Start	2104	End	2322
GI	none	Score	.48
Exons	2104..2177, 2260..2322		

Seq. No.	25715	Seq. ID	OJ991114_32.9C15.C11
Gene No.	53416	Strand	+
Start	8734	End	12220
Name	OJ991114_32.9C15.C11.o3.gs	Method	GENSCAN
Start	8734	End	12220
GI	none	Score	.67
Exons	8734..8799, 9849..9935, 10493..10836, 11525..11705, 12041..12220		

Seq. No.	25716	Seq. ID	OJ991114_32.9C15.C15
Gene No.	53417	Strand	-
Start	114	End	589
Name	OJ991114_32.9C15.C15.o1.gp	Method	AAT/GAP
Start	114	End	589
GI	17595_1.R1084	Score	948
Exons	114..589		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 4.0e-19 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	25717	Seq. ID	OJ990704_50.9C17.C1
Gene No.	53418	Strand	+
Start	488	End	1123
Name	OJ990704_50.9C17.C1.o1.np	Method	AAT/NAP
Start	488	End	1123
GI	2498930	Score	732
Exons	488..548, 716..1123		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	25717	Seq. ID	OJ990704_50.9C17.C1
Gene No.	53418	Strand	+
Start	488	End	1123
Name	OJ990704_50.9C17.C1.o1.gs	Method	GENSCAN
Start	489	End	1110
GI	none	Score	1
Exons	489..548, 716..1110		

Seq. No.	25718	Seq. ID	OJ990704_50.9C17.C3
Gene No.	53419	Strand	-
Start	247	End	8306
Name	OJ990704_50.9C17.C3.o1.gs	Method	GENSCAN
Start	247	End	8268
GI	none	Score	.47
Exons	247..658, 778..977, 1253..1343, 1438..2521, 3413..3534, 4889..4991, 6004..6397, 7902..8268		

Seq. No.	25718	Seq. ID	OJ990704_50.9C17.C3
Gene No.	53419	Strand	-

Start	247	End	8306
Name	OJ990704_50.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	1564	End	2010
GI	none	Score	77
Exons	1564..1782, 1564..1788, 1638..1793, 1671..1784, 1780..1980, 1783..1980, 1812..1982, 1963..2010		

Seq. No.	25718	Seq. ID	OJ990704_50.9C17.C3
Gene No.	53419	Strand	-
Start	247	End	8306
Name	OJ990704_50.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	7810	End	8304
GI	none	Score	81
Exons	7810..8043, 7817..8020, 8161..8304		

Seq. No.	25718	Seq. ID	OJ990704_50.9C17.C3
Gene No.	53419	Strand	-
Start	247	End	8306
Name	OJ990704_50.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	7814	End	8043
GI	none	Score	81
Exons	7814..8020, 7816..8043		

Seq. No.	25718	Seq. ID	OJ990704_50.9C17.C3
Gene No.	53419	Strand	-
Start	247	End	8306
Name	OJ990704_50.9C17.C3.o1.np	Method	AAT/NAP
Start	7819	End	8306
GI	3402709	Score	253
Exons	7819..8306		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25718	Seq. ID	OJ990704_50.9C17.C3
Gene No.	53419	Strand	-
Start	247	End	8306
Name	OJ990704_50.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	7819	End	8043
GI	none	Score	190
Exons	7819..8043		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53420	Strand	+
Start	4480	End	4617
Name	OJ990704_50.9C17.C4.o1.gp	Method	AAT/GAP
Start	4480	End	4617
GI	uC-osflcyp078c03a1	Score	228
Exons	4480..4617		
GI Descrip.	'5002520/emb|CAB44323.1| 3.0e-39 (AL078606) putative phospholipase D-gamma [Arabidopsis thaliana]'		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53421	Strand	+
Start	8684	End	8746
Name	OJ990704_50.9C17.C4.o3.gp	Method	AAT/GAP
Start	8684	End	8746
GI	4715947	Score	68
Exons	8684..8746		

GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		
Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53422	Strand	-
Start	1	End	8288
Name	OJ990704_50.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	2551
GI	5042169	Score	661
Exons	1..150, 1013..2551		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		
Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53422	Strand	-
Start	1	End	8288
Name	OJ990704_50.9C17.C4.o1.gs	Method	GENSCAN
Start	97	End	2749
GI	none	Score	.54
Exons	97..160, 1020..1852, 2087..2749		
Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53422	Strand	-
Start	1	End	8288
Name	OJ990704_50.9C17.C4.o2.np	Method	AAT/NAP
Start	1681	End	8270
GI	3805845	Score	2248
Exons	1681..1708, 3763..4055, 4482..4670, 4803..4973, 5229..5377, 5707..5854, 5941..6009, 6094..6354, 6550..6754, 7076..7215, 7353..8270		
GI Descrip.	(AL031986) putative protein [Arabidopsis thaliana]		
Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53422	Strand	-
Start	1	End	8288
Name	OJ990704_50.9C17.C4.o2.gs	Method	GENSCAN
Start	3762	End	8288
GI	none	Score	.92
Exons	3762..4055, 4482..4685, 4803..4973, 5229..5377, 5707..5854, 6094..6354, 6550..6744, 7353..8288		
Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53422	Strand	-
Start	1	End	8288
Name	OJ990704_50.9C17.C4.o2.gp	Method	AAT/GAP
Start	6261	End	7583
GI	2798206	Score	1115
Exons	6261..6354, 6550..6744, 7099..7215, 7353..7583		
GI Descrip.	3805845/emb|CAA21465.1| 2.0e-83 (AL031986) putative protein [Arabidopsis thaliana]		
Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o2.tm	Method	TBLASTX:Maize

Start	1013	End	2563
GI	none	Score	117
Exons	1013..1183, 1097..1273, 1145..1504, 1454..1741, 1769..1945, 1943..2221, 2015..2128, 2075..2311, 2291..2419, 2378..2563, 2402..2503		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o3.tc	Method	TBLASTX:Cress
Start	1013	End	2563
GI	none	Score	111
Exons	1013..1072, 1040..1234, 1106..1516, 1109..1390, 1412..1741, 1412..1729, 1775..1894, 1790..1951, 1916..2032, 1970..2164, 2051..2320, 2084..2320, 2258..2320, 2393..2563, 2399..2563		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o5.ts	Method	TBLASTX:Soybean
Start	1040	End	2479
GI	none	Score	118
Exons	1040..1240, 1166..1537, 1469..1744, 1769..1840, 1790..1951, 1967..2176, 2096..2320, 2372..2479		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o4.tw	Method	TBLASTX:Wheat
Start	1169	End	2563
GI	none	Score	45
Exons	1169..1270, 1316..1555, 1472..1741, 1793..1951, 1940..2041, 1946..2182, 2017..2163, 2105..2320, 2378..2485, 2402..2563		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o2.ts	Method	TBLASTX:Soybean
Start	3742	End	4061
GI	none	Score	240
Exons	3742..4059, 3762..4061		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o2.tc	Method	TBLASTX:Cress
Start	3756	End	7212
GI	none	Score	204
Exons	3756..4046, 3799..4047, 4104..4145, 4514..4663, 4515..4688, 4518..4673, 4519..4680, 4848..4901, 5229..5378, 5229..5417, 5230..5379, 5705..5857, 5706..5855, 5950..6003, 5968..6012, 6091..6144, 6241..6342, 6248..6343, 6256..6345, 6541..6723, 6553..6741, 6560..6745, 7102..7212		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557

Name	OJ990704_50.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	3766	End	4058
GI	none	Score	233
Exons	3766..4056, 3768..4058		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	3789	End	7989
GI	none	Score	54
Exons	3789..3911, 3799..3900, 3906..4058, 3928..4053, 4485..4679, 4487..4597, 4524..4676, 4857..4913, 5205..5378, 5229..5378, 5230..5379, 5726..5851, 5950..6003, 6250..6342, 6251..6343, 6553..6675, 6560..6673, 6697..6741, 7135..7218, 7377..7454, 7378..7437, 7467..7709, 7476..7676, 7519..7680, 7818..7985, 7834..7989		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o4.ts	Method	TBLASTX:Soybean
Start	4512	End	4682
GI	none	Score	165
Exons	4512..4682, 4513..4668, 4518..4679		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o3.tw	Method	TBLASTX:Wheat
Start	4523	End	4681
GI	none	Score	159
Exons	4523..4582, 4524..4679, 4524..4679, 4528..4680, 4532..4681, 4643..4681		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	4884	End	7454
GI	none	Score	176
Exons	4884..4976, 5229..5411, 5230..5379, 5691..5864, 5705..5863, 5706..5864, 5708..5875, 5941..6003, 5945..6001, 6091..6162, 6154..6252, 6228..6335, 6233..6340, 6235..6369, 6535..6747, 6554..6745, 7069..7206, 7096..7212, 7097..7234, 7125..7250, 7130..7216, 7356..7454, 7357..7437		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	7386	End	7709
GI	none	Score	54
Exons	7386..7451, 7386..7457, 7467..7676, 7467..7709, 7519..7686		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-

Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o3.ts	Method	TBLASTX:Soybean
Start	7467	End	7985
GI	none	Score	103
Exons	7467..7709, 7468..7680, 7818..7985		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	7494	End	8256
GI	none	Score	119
Exons	7494..7709, 7495..7671, 7794..8072, 7813..8064, 8133..8234, 8134..8256		

Seq. No.	25719	Seq. ID	OJ990704_50.9C17.C4
Gene No.	53423	Strand	-
Start	9384	End	9557
Name	OJ990704_50.9C17.C4.o4.gp	Method	AAT/GAP
Start	9384	End	9557
GI	2797562	Score	313
Exons	9384..9557		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53424	Strand	+
Start	1739	End	2153
Name	OJ990704_50.9C17.C5.o1.gp	Method	AAT/GAP
Start	1739	End	2153
GI	uC-osf1M202086f04a1	Score	830
Exons	1739..2153		
GI Descrip.	'3805845/emb|CAA21465.1| 2.0e-83 (AL031986) putative protein [Arabidopsis thaliana]'		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53425	Strand	+
Start	6583	End	18663
Name	OJ990704_50.9C17.C5.o2.np	Method	AAT/NAP
Start	6583	End	11227
GI	4680203	Score	1932
Exons	6583..6625, 7918..9491, 9534..9626, 9780..10010, 10286..11227		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53425	Strand	+
Start	6583	End	18663
Name	OJ990704_50.9C17.C5.o3.gs	Method	GENSCAN
Start	7918	End	18076
GI	none	Score	.51
Exons	7918..8974, 9065..9276, 10014..10187, 10247..11171, 11549..11628, 11808..12336, 15062..15795, 15874..15996, 16032..16334, 16416..17248, 17331..17501, 17668..17839, 17945..18076		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53425	Strand	+
Start	6583	End	18663
Name	OJ990704_50.9C17.C5.o2.gp	Method	AAT/GAP

Start	9882	End	11341
GI	5002953	Score	1276
Exons	9882..10013, 10271..10680, 11160..11341		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53425	Strand	+
Start	6583	End	18663
Name	OJ990704_50.9C17.C5.o3.np	Method	AAT/NAP
Start	11767	End	18663
GI	5734709	Score	302
Exons	11767..12366, 14837..14941, 18582..18663		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53425	Strand	+
Start	6583	End	18663
Name	OJ990704_50.9C17.C5.o3.gp	Method	AAT/GAP
Start	17657	End	18184
GI	LIB3431-001-P1-N1-B5	Score	741
Exons	17657..17839, 17945..18184		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53426	Strand	-
Start	766	End	5858
Name	OJ990704_50.9C17.C5.o1.np	Method	AAT/NAP
Start	766	End	5858
GI	6665543	Score	878
Exons	766..923, 2007..3090, 3255..3344, 3557..3632, 5821..5858		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53426	Strand	-
Start	766	End	5858
Name	OJ990704_50.9C17.C5.o1.gs	Method	GENSCAN
Start	1835	End	5043
GI	none	Score	.71
Exons	1835..3090, 3557..3883, 4170..5043		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53427	Strand	-
Start	6745	End	7616
Name	OJ990704_50.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	2059	End	3011
GI	none	Score	243
Exons	2059..2508, 2063..2578, 2262..2507, 2588..2995, 2612..2893, 2640..2981, 2769..3011		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53427	Strand	-
Start	6745	End	7616
Name	OJ990704_50.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	2063	End	4965

GI	none	Score	165
Exons	2063..2581, 2280..2507, 2455..2589, 2582..3082, 2634..3020, 3561..3623, 3975..4037, 4888..4965		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53427	Strand	-
Start	6745	End	7616
Name	OJ990704_50.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	2195	End	3013
GI	none	Score	201
Exons	2195..2581, 2259..2492, 2458..2529, 2603..2785, 2637..2750, 2768..3013, 2772..2978		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53427	Strand	-
Start	6745	End	7616
Name	OJ990704_50.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	2256	End	2524
GI	none	Score	102
Exons	2256..2393, 2258..2392, 2396..2524, 2421..2513		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53427	Strand	-
Start	6745	End	7616
Name	OJ990704_50.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	2525	End	2936
GI	none	Score	148
Exons	2525..2581, 2600..2896, 2605..2781, 2606..2905, 2634..2936		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53427	Strand	-
Start	6745	End	7616
Name	OJ990704_50.9C17.C5.o2.gs	Method	GENSCAN
Start	6745	End	7616
GI	none	Score	.63
Exons	6745..7325, 7345..7358, 7552..7616		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53428	Strand	
Start	8272	End	9335
Name	OJ990704_50.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	8272	End	8952
GI	none	Score	218
Exons	8272..8670, 8511..8672, 8718..8813, 8719..8823, 8827..8952		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53428	Strand	
Start	8272	End	9335
Name	OJ990704_50.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	8551	End	8970
GI	none	Score	126
Exons	8551..8670, 8553..8672, 8725..8970, 8725..8958		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53428	Strand	
Start	8272	End	9335
Name	OJ990704_50.9C17.C5.o2.tc	Method	TBLASTX:Cress

Start	8718	End	9048
GI	none	Score	309
Exons	8718..8855, 8719..9048, 8892..8951, 8902..9006, 8973..9047		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53428	Strand	
Start	8272	End	9335
Name	OJ990704_50.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	8893	End	9335
GI	none	Score	228
Exons	8893..9138, 8943..9134, 9142..9258, 9237..9335		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53428	Strand	
Start	8272	End	9335
Name	OJ990704_50.9C17.C5.o6.tw	Method	TBLASTX:Wheat
Start	8953	End	9258
GI	none	Score	56
Exons	8953..8994, 8986..9096, 8995..9111, 8999..9097, 9003..9173, 9114..9239, 9142..9258		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53429	Strand	
Start	9543	End	9893
Name	OJ990704_50.9C17.C5.o5.tw	Method	TBLASTX:Wheat
Start	9543	End	9893
GI	none	Score	183
Exons	9543..9773, 9572..9772, 9809..9892, 9810..9893		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53429	Strand	
Start	9543	End	9893
Name	OJ990704_50.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	9549	End	9764
GI	none	Score	166
Exons	9549..9695, 9576..9674, 9578..9685, 9702..9764		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53430	Strand	
Start	9801	End	11116
Name	OJ990704_50.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	9801	End	10265
GI	none	Score	272
Exons	9801..10265, 9818..9994, 10130..10246		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5
Gene No.	53430	Strand	
Start	9801	End	11116
Name	OJ990704_50.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	9897	End	11116
GI	none	Score	317
Exons	9897..10298, 9941..10297, 10237..10386, 10253..10438, 10457..10618, 10474..10614, 10622..10813, 10657..10797, 10802..10849, 10853..10894, 10856..10894, 10918..10995, 10919..11023, 11024..11116		

Seq. No.	25720	Seq. ID	OJ990704_50.9C17.C5

Gene No.	53430	Strand	
Start	9801	End	11116
Name	OJ990704_50.9C17.C5.o3.tc	Method	TBLASTX:Cress
Start	10237	End	10609
GI	none	Score	167
Exons	10237..10386, 10253..10438, 10457..10609, 10474..10596		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53431	Strand	-
Start	3037	End	3342
Name	OJ990704_50.9C17.C6.o1.gp	Method	AAT/GAP
Start	3037	End	3342
GI	572141	Score	530
Exons	3037..3342		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53432	Strand	-
Start	4993	End	6889
Name	OJ990704_50.9C17.C6.o2.gp	Method	AAT/GAP
Start	4557	End	5180
GI	5003043	Score	1204
Exons	4557..5180		
GI Descrip.	4097690 8.0e-12 (U66592) prohibitin 2 [Arabidopsis thaliana] >gi_4099801 (U89791) prohibitin-like protein [Arabidopsis thaliana] >gi_4204301 (AC003027) prohibitin 2 [Arabidopsis thaliana]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53432	Strand	-
Start	4993	End	6889
Name	OJ990704_50.9C17.C6.o2.gs	Method	GENSCAN
Start	4993	End	6874
GI	none	Score	.88
Exons	4993..5115, 5377..5589, 5743..5913, 6467..6583, 6719..6874		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53432	Strand	-
Start	4993	End	6889
Name	OJ990704_50.9C17.C6.o1.np	Method	AAT/NAP
Start	4996	End	6889
GI	2842494	Score	1005
Exons	4996..5187, 5377..5589, 5743..5913, 6467..6583, 6719..6889		
GI Descrip.	(AL021749) prohibitin-like protein [Arabidopsis thaliana] gi|4097688 (U66591) prohibitin 1 [Arabidopsis thaliana] gi|4097694 (U66594) prohibitin 1 [Arabidopsis thaliana]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53432	Strand	-
Start	4993	End	6889
Name	OJ990704_50.9C17.C6.o3.gp	Method	AAT/GAP
Start	6459	End	6828
GI	3106717	Score	333
Exons	6459..6583, 6719..6828		
GI Descrip.	2842494/emb|CAA16891.1| 2.0e-11 (AL021749) prohibitin-like protein [Arabidopsis thaliana] >gi_4097688 (U66591) prohibitin 1 [Arabidopsis thaliana] >gi_4097694 (U66594) prohibitin 1 [Arabidopsis thaliana]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53433	Strand	-
Start	8123	End	12989
Name	OJ990704_50.9C17.C6.o4.gp	Method	AAT/GAP
Start	7778	End	8669
GI	3763537	Score	987
Exons	7778..8211, 8544..8669		
GI Descrip.	1076387/pir||S51938 1.0e-29 protein kinase homolog - Arabidopsis thaliana >gi_717180_emb_CAA55866_ (X79279) protein kinase homologous to shaggy and glycogen synthase kinase-3 [Arabidopsis thaliana]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53433	Strand	-
Start	8123	End	12989
Name	OJ990704_50.9C17.C6.o3.gs	Method	GENSCAN
Start	8123	End	12887
GI	none	Score	.92
Exons	8123..8211, 8544..8646, 8748..8831, 9145..9240, 9327..9377, 9739..9795, 10730..10804, 11896..12168, 12395..12487, 12837..12887		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53433	Strand	-
Start	8123	End	12989
Name	OJ990704_50.9C17.C6.o2.np	Method	AAT/NAP
Start	8126	End	12989
GI	2160191	Score	1465
Exons	8126..8211, 8544..8646, 8748..8831, 9145..9240, 9327..9377, 9446..9586, 9739..9795, 10730..10804, 11896..12168, 12249..12308, 12395..12512, 12789..12989		
GI Descrip.	(AC000132) Identical to A. thaliana AtK-1 (gb|X79279). [Arabidopsis thaliana]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53433	Strand	-
Start	8123	End	12989
Name	OJ990704_50.9C17.C6.o5.gp	Method	AAT/GAP
Start	8764	End	9779
GI	4968758	Score	694
Exons	8764..8831, 9145..9240, 9327..9377, 9446..9586, 9739..9779		
GI Descrip.	2160191 2.0e-70 (AC000132) Identical to A. thaliana AtK-1 (gb_X79279). [Arabidopsis thaliana]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o2.ts	Method	TBLASTX:Soybean
Start	2615	End	3322
GI	none	Score	137
Exons	2615..2824, 2633..3064, 2658..2849, 2892..3065, 3080..3118, 3137..3322		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652

Name	OJ990704_50.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	2624	End	3798
GI	none	Score	135
Exons	2624..2812, 2633..2869, 2670..2849, 2892..3026, 2906..3025, 3023..3130, 3026..3115, 3128..3349, 3404..3442, 3514..3537, 3616..3798		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o3.tc	Method	TBLASTX:Cress
Start	2738	End	3442
GI	none	Score	67
Exons	2738..2869, 2739..2849, 2883..3047, 2905..2976, 2906..3049, 3008..3073, 3134..3442, 3237..3431		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o3.tw	Method	TBLASTX:Wheat
Start	2745	End	3193
GI	none	Score	56
Exons	2745..2798, 2747..2803, 2807..2851, 2898..3050, 2906..3049, 3086..3118, 3090..3119, 3116..3193		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o5.tc	Method	TBLASTX:Cress
Start	4982	End	6838
GI	none	Score	102
Exons	4982..5176, 4984..5211, 5014..5190, 5373..5534, 5377..5592, 5405..5590, 5725..5922, 5738..5914, 6452..6586, 6461..6634, 6462..6638, 6716..6838, 6717..6788		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o4.tm	Method	TBLASTX:Maize
Start	4986	End	6838
GI	none	Score	195
Exons	4986..5111, 4987..5190, 4992..5192, 5014..5190, 5024..5194, 5375..5590, 5376..5534, 5377..5592, 5377..5592, 5725..5922, 5743..5913, 6452..6586, 6454..6522, 6461..6586, 6462..6590, 6465..6638, 6716..6838, 6717..6794		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o6.ts	Method	TBLASTX:Soybean
Start	5014	End	5921
GI	none	Score	111
Exons	5014..5190, 5036..5194, 5367..5534, 5377..5592, 5405..5590, 5725..5913, 5742..5852, 5753..5914, 5760..5921		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-

Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o2.tw	Method	TBLASTX:Wheat
Start	5462	End	6899
GI	none	Score	177
Exons	5462..5590, 5464..5592, 5467..5592, 5725..5913, 5725..5922, 5742..5915, 6446..6586, 6461..6586, 6462..6590, 6465..6638, 6716..6844, 6717..6791, 6719..6847, 6867..6899, 6873..6899		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o7.ts	Method	TBLASTX:Soybean
Start	6446	End	6898
GI	none	Score	117
Exons	6446..6586, 6461..6634, 6462..6638, 6716..6898, 6717..6791		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o4.ts	Method	TBLASTX:Soybean
Start	8124	End	9796
GI	none	Score	80
Exons	8124..8204, 8126..8212, 8545..8685, 8568..8645, 8745..8834, 8749..8832, 9139..9246, 9140..9256, 9143..9241, 9145..9243, 9324..9380, 9326..9379, 9437..9607, 9438..9611, 9438..9608, 9727..9792, 9728..9796		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	8126	End	12490
GI	none	Score	71
Exons	8126..8212, 8136..8204, 8544..8645, 8545..8685, 8745..8834, 8749..8832, 9108..9161, 9139..9246, 9140..9241, 9324..9380, 9327..9380, 9437..9616, 9438..9617, 9438..9632, 9727..9795, 9728..9796, 9734..9805, 10727..10807, 11848..12168, 11890..12171, 12249..12311, 12256..12312, 12395..12490, 12396..12485		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o2.tm	Method	TBLASTX:Maize
Start	8132	End	12490
GI	none	Score	47
Exons	8132..8212, 8551..8685, 8554..8646, 8745..8834, 8746..8832, 9139..9246, 9140..9241, 9324..9380, 9437..9607, 9438..9611, 9727..9795, 9728..9796, 10706..10807, 10727..10807, 11872..12207, 11893..12168, 11900..12175, 12249..12314, 12395..12490		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o4.tw	Method	TBLASTX:Wheat
Start	8147	End	9246

GI	none	Score	44
Exons	8147..8212, 8534..8644, 8551..8685, 8745..8834, 8749..8832, 9139..9246, 9143..9241		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	10745	End	12989
GI	none	Score	194
Exons	10745..10807, 11890..12189, 11893..12168, 11900..12205, 11900..12181, 12102..12188, 12235..12312, 12244..12306, 12249..12314, 12395..12487, 12395..12490, 12840..12989, 12865..12966		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	11893	End	12484
GI	none	Score	160
Exons	11893..12168, 11896..12204, 12247..12300, 12249..12311, 12395..12484		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o6.gp	Method	AAT/GAP
Start	14865	End	15721
GI	2798575	Score	680
Exons	14865..15071, 15389..15472, 15577..15721		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o8.ts	Method	TBLASTX:Soybean
Start	15589	End	15754
GI	none	Score	61
Exons	15589..15657, 15596..15655, 15658..15753, 15659..15754		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o2.tc	Method	TBLASTX:Cress
Start	15592	End	15909
GI	none	Score	370
Exons	15592..15909, 15599..15907		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o4.gs	Method	GENSCAN
Start	15592	End	19652
GI	none	Score	.84
Exons	15592..15906, 16294..16530, 16623..16781, 17314..17364, 18930..18983, 19202..19312, 19421..19652		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o3.np	Method	AAT/NAP
Start	15619	End	19651
GI	1001311	Score	343
Exons	15619..15857, 16254..16530, 16623..16781, 17314..17474, 18313..18527, 19195..19651		
GI Descrip.	(D64006) hypothetical protein [Synechocystis sp.]		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o3.tm	Method	TBLASTX:Maize
Start	15750	End	16535
GI	none	Score	156
Exons	15750..15911, 15751..15912, 15752..15913, 16291..16533, 16292..16531, 16293..16535		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o3.ts	Method	TBLASTX:Soybean
Start	16318	End	18432
GI	none	Score	131
Exons	16318..16518, 16318..16533, 16322..16519, 16618..16758, 16623..16784, 16624..16776, 17314..17505, 17318..17503, 18307..18432, 18338..18418		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o7.gp	Method	AAT/GAP
Start	16486	End	18417
GI	LIB3432-012-P1-K1-B3	Score	862
Exons	16486..16530, 16623..16781, 17314..17505, 18337..18417		
GI Descrip.	'1001311/dbj|BAA10798| 5.0e-17 (D64006) hypothetical protein [Synechocystis sp.]'		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o5.tm	Method	TBLASTX:Maize
Start	16623	End	18432
GI	none	Score	108
Exons	16623..16712, 16628..16717, 16629..16715, 16630..16731, 16713..16784, 16714..16785, 17309..17506, 17311..17505, 17312..17506, 18307..18432, 18335..18424		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o4.tc	Method	TBLASTX:Cress
Start	17447	End	18597
GI	none	Score	75
Exons	17447..17509, 17449..17508, 18334..18597, 18335..18580		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o5.ts	Method	TBLASTX:Soybean
Start	18571	End	19636
GI	none	Score	53
Exons	18571..18624, 18930..18998, 19200..19247, 19202..19246, 19232..19321, 19248..19316, 19410..19619, 19415..19636		

Seq. No.	25721	Seq. ID	OJ990704_50.9C17.C6
Gene No.	53434	Strand	-
Start	15592	End	19652
Name	OJ990704_50.9C17.C6.o6.tm	Method	TBLASTX:Maize
Start	19424	End	19630
GI	none	Score	67
Exons	19424..19480, 19425..19469, 19431..19502, 19432..19500, 19472..19630, 19473..19619		

Seq. No.	25722	Seq. ID	OJ990704_50.9C17.C7
Gene No.	53435	Strand	+
Start	2279	End	7299
Name	OJ990704_50.9C17.C7.o1.np	Method	AAT/NAP
Start	2278	End	4487
GI	5803253	Score	374
Exons	2278..2429, 2561..2661, 2987..3119, 3364..3497, 3652..3783, 4316..4487		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	25722	Seq. ID	OJ990704_50.9C17.C7
Gene No.	53435	Strand	+
Start	2279	End	7299
Name	OJ990704_50.9C17.C7.o2.gs	Method	GENSCAN
Start	2279	End	4435
GI	none	Score	.72
Exons	2279..2429, 3406..3497, 3652..3754, 3920..3979, 4065..4224, 4318..4435		

Seq. No.	25722	Seq. ID	OJ990704_50.9C17.C7
Gene No.	53435	Strand	+
Start	2279	End	7299
Name	OJ990704_50.9C17.C7.o2.np	Method	AAT/NAP
Start	4102	End	7150
GI	6907104	Score	159
Exons	4102..4141, 6333..6473, 6564..6784, 6832..7150		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25722	Seq. ID	OJ990704_50.9C17.C7
Gene No.	53435	Strand	+
Start	2279	End	7299
Name	OJ990704_50.9C17.C7.o3.gs	Method	GENSCAN
Start	5138	End	7299
GI	none	Score	.64
Exons	5138..5779, 6263..6473, 6564..6703, 6832..7299		

Seq. No.	25722	Seq. ID	OJ990704_50.9C17.C7

Gene No.	53436	Strand	-
Start	147	End	737
Name	OJ990704_50.9C17.C7.o1.gs	Method	GENSCAN
Start	147	End	737
GI	none	Score	.41
Exons	147..218, 480..737		

Seq. No.	25723	Seq. ID	OJ990704_50.9C17.C8
Gene No.	53437	Strand	+
Start	71	End	2340
Name	OJ990704_50.9C17.C8.o1.gs	Method	GENSCAN
Start	71	End	2340
GI	none	Score	.93
Exons	71..136, 931..1039, 1353..1479, 1583..1649, 1810..1999, 2144..2340		

Seq. No.	25723	Seq. ID	OJ990704_50.9C17.C8
Gene No.	53438	Strand	+
Start	3002	End	4672
Name	OJ990704_50.9C17.C8.o1.gp	Method	AAT/GAP
Start	3002	End	3431
GI	none	Score	768
Exons	3002..3431		

Seq. No.	25723	Seq. ID	OJ990704_50.9C17.C8
Gene No.	53438	Strand	+
Start	3002	End	4672
Name	OJ990704_50.9C17.C8.o2.gs	Method	GENSCAN
Start	3145	End	4672
GI	none	Score	.58
Exons	3145..3304, 3353..3414, 3469..3609, 3875..4056, 4147..4672		

Seq. No.	25723	Seq. ID	OJ990704_50.9C17.C8
Gene No.	53439	Strand	+
Start	6377	End	7467
Name	OJ990704_50.9C17.C8.o3.gs	Method	GENSCAN
Start	6377	End	7467
GI	none	Score	.72
Exons	6377..6540, 6554..6753, 7418..7467		

Seq. No.	25723	Seq. ID	OJ990704_50.9C17.C8
Gene No.	53440	Strand	-
Start	7992	End	8979
Name	OJ990704_50.9C17.C8.o1.np	Method	AAT/NAP
Start	7992	End	8979
GI	6069646	Score	366
Exons	7992..8979		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25723	Seq. ID	OJ990704_50.9C17.C8
Gene No.	53440	Strand	-
Start	7992	End	8979
Name	OJ990704_50.9C17.C8.o1.tm	Method	TBLASTX:Maize

Start	8014	End	8443
GI	none	Score	103
Exons	8014..8442, 8180..8443		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53441	Strand	+
Start	3172	End	4357
Name	OJ990704_50.9C17.C9.o2.gs	Method	GENSCAN
Start	3172	End	4357
GI	none	Score	.83
Exons	3172..3187, 3429..3561, 3672..3738, 3837..4029, 4161..4357		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53442	Strand	+
Start	5982	End	8976
Name	OJ990704_50.9C17.C9.o1.gp	Method	AAT/GAP
Start	5957	End	6334
GI	2312691	Score	544
Exons	5957..6082, 6165..6334		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53442	Strand	+
Start	5982	End	8976
Name	OJ990704_50.9C17.C9.o3.gs	Method	GENSCAN
Start	5982	End	8976
GI	none	Score	.83
Exons	5982..6082, 6123..6315, 6398..6568, 7091..7270, 8263..8530, 8807..8976		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53442	Strand	+
Start	5982	End	8976
Name	OJ990704_50.9C17.C9.o2.gp	Method	AAT/GAP
Start	6377	End	8364
GI	LIB3434-056-P1-K1-E10	Score	879
Exons	6377..6568, 7091..7270, 8248..8364		
GI Descrip.	'5262678/emb|CAB45770.1| 8.0e-20 (AL080196) hypothetical protein [Homo sapiens]'		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53443	Strand	+
Start	18290	End	18963
Name	OJ990704_50.9C17.C9.o3.gp	Method	AAT/GAP
Start	18290	End	18963
GI	3548930	Score	381
Exons	18290..18466, 18892..18963		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53444	Strand	-
Start	9080	End	11716
Name	OJ990704_50.9C17.C9.o1.np	Method	AAT/NAP
Start	9080	End	11716
GI	4539005	Score	942
Exons	9080..9145, 10223..10563, 10644..10811, 10895..11026, 11104..11189, 11264..11456, 11531..11716		
GI Descrip.	(AL049481) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53444	Strand	-
Start	9080	End	11716
Name	OJ990704_50.9C17.C9.o4.gs	Method	GENSCAN
Start	10261	End	11716
GI	none	Score	.99
Exons	10261..10563, 10644..10811, 10826..11026, 11104..11189, 11264..11456, 11531..11716		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o4.ts	Method	TBLASTX:Soybean
Start	6012	End	6562
GI	none	Score	56
Exons	6012..6080, 6196..6315, 6397..6519, 6398..6562, 6401..6532		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	6148	End	15778
GI	none	Score	58
Exons	6148..6222, 15629..15778, 15630..15776		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	6397	End	7270
GI	none	Score	193
Exons	6397..6576, 6398..6580, 7090..7266, 7091..7270		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o5.ts	Method	TBLASTX:Soybean
Start	7076	End	7275
GI	none	Score	213
Exons	7076..7273, 7090..7275		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o3.tw	Method	TBLASTX:Wheat
Start	7091	End	8343
GI	none	Score	208
Exons	7091..7270, 8248..8343		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	10414	End	11360
GI	none	Score	134
Exons	10414..10563, 10415..10564, 10653..10811, 10654..10812, 10895..11026, 10895..11026, 11104..11190, 11114..11182,		

11265..11360

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o6.ts	Method	TBLASTX:Soybean
Start	10414	End	10564
GI	none	Score	131
Exons	10414..10563, 10415..10564		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o4.tm	Method	TBLASTX:Maize
Start	10468	End	11050
GI	none	Score	60
Exons	10468..10560, 10469..10588, 10677..10811, 10699..10812, 10893..11027, 10895..11050, 10898..11038		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o3.ts	Method	TBLASTX:Soybean
Start	10653	End	10963
GI	none	Score	152
Exons	10653..10826, 10654..10827, 10907..10963, 10907..10963		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o2.ts	Method	TBLASTX:Soybean
Start	10964	End	11719
GI	none	Score	48
Exons	10964..11026, 10980..11027, 11104..11172, 11114..11176, 11265..11459, 11269..11457, 11525..11719, 11526..11693		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o3.tc	Method	TBLASTX:Cress
Start	11364	End	11719
GI	none	Score	82
Exons	11364..11459, 11380..11457, 11525..11587, 11526..11588, 11624..11719, 11628..11717		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	11525	End	11717
GI	none	Score	231
Exons	11525..11716, 11526..11717		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o2.np	Method	AAT/NAP

Start	14445	End	15796
GI	3024501	Score	756
Exons	14445..14927, 15632..15796		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi|1370146|emb|CAA98179| (Z73951) RAB11C [Lotus japonicus]		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	14487	End	15776
GI	none	Score	328
Exons	14487..14930, 14554..14928, 14571..14930, 15629..15775, 15639..15776		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	14499	End	15821
GI	none	Score	453
Exons	14499..14930, 14554..14943, 15629..15820, 15630..15821		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	14553	End	14927
GI	none	Score	297
Exons	14553..14927, 14554..14895		

Seq. No.	25724	Seq. ID	OJ990704_50.9C17.C9
Gene No.	53445	Strand	-
Start	14445	End	15821
Name	OJ990704_50.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	14553	End	15779
GI	none	Score	380
Exons	14553..14930, 14554..14931, 15629..15778, 15630..15779		

Seq. No.	25725	Seq. ID	OJ990704_50.9C17.C10
Gene No.	53446	Strand	-
Start	1	End	618
Name	OJ990704_50.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	618
GI	6665543	Score	639
Exons	1..618		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	25725	Seq. ID	OJ990704_50.9C17.C10
Gene No.	53446	Strand	-
Start	1	End	618
Name	OJ990704_50.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	1	End	617
GI	none	Score	130
Exons	1..150, 3..239, 116..187, 261..443, 295..408, 426..617, 430..609		

Seq. No.	25725	Seq. ID	OJ990704_50.9C17.C10

Gene No.	53446	Strand	-
Start	1	End	618
Name	OJ990704_50.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	3	End	614
GI	none	Score	140
Exons	3..239, 4..246, 151..243, 240..614, 261..542, 295..567		

Seq. No.	25725	Seq. ID	OJ990704_50.9C17.C10
Gene No.	53446	Strand	-
Start	1	End	618
Name	OJ990704_50.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	3	End	614
GI	none	Score	100
Exons	3..164, 3..236, 4..165, 246..614, 270..551, 298..612		

Seq. No.	25725	Seq. ID	OJ990704_50.9C17.C10
Gene No.	53446	Strand	-
Start	1	End	618
Name	OJ990704_50.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	183	End	594
GI	none	Score	148
Exons	183..239, 258..554, 264..563, 292..594		

Seq. No.	25726	Seq. ID	OJ990704_50.9C17.C12
Gene No.	53447	Strand	-
Start	1	End	96
Name	OJ990704_50.9C17.C12.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	2312691	Score	181
Exons	1..96		

Seq. No.	25727	Seq. ID	OJ990704_49.9C01.C1
Gene No.	53448	Strand	-
Start	1	End	1515
Name	OJ990704_49.9C01.C1.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	3645899	Score	680
Exons	1..1243		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	25727	Seq. ID	OJ990704_49.9C01.C1
Gene No.	53448	Strand	-
Start	1	End	1515
Name	OJ990704_49.9C01.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	430
GI	none	Score	73
Exons	1..96, 118..315, 125..310, 320..430, 321..356		

Seq. No.	25727	Seq. ID	OJ990704_49.9C01.C1
Gene No.	53448	Strand	-
Start	1	End	1515
Name	OJ990704_49.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	28	End	583
GI	none	Score	70
Exons	28..120, 115..315, 116..196, 233..328, 315..476, 320..538, 532..573, 539..583		

Seq. No.	25727	Seq. ID	OJ990704_49.9C01.C1
Gene No.	53448	Strand	-
Start	1	End	1515
Name	OJ990704_49.9C01.C1.o1.tw	Method	TBLASTX:Wheat
Start	271	End	595
GI	none	Score	47
Exons	271..312, 272..313, 320..595, 324..446		

Seq. No.	25727	Seq. ID	OJ990704_49.9C01.C1
Gene No.	53448	Strand	-
Start	1	End	1515
Name	OJ990704_49.9C01.C1.o1.gs	Method	GENSCAN
Start	731	End	1515
GI	none	Score	.61
Exons	731..1240, 1321..1515		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o1.gs	Method	GENSCAN
Start	461	End	3590
GI	none	Score	.62
Exons	461..960, 1090..1466, 1766..1980, 2538..2766, 2944..3590		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o1.np	Method	AAT/NAP
Start	662	End	3044
GI	5295971	Score	79
Exons	662..779, 2942..3044		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o2.np	Method	AAT/NAP
Start	2837	End	4237
GI	6630685	Score	1375
Exons	2837..4237		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	2928	End	3509
GI	none	Score	114
Exons	2928..3221, 2955..3509, 2959..3501		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o3.tw	Method	TBLASTX:Wheat

Start	2943	End	3218
GI	none	Score	64
Exons	2943..3074, 2958..3089, 3093..3218		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o2.ts	Method	TBLASTX:Soybean
Start	2952	End	3491
GI	none	Score	99
Exons	2952..3083, 3120..3491, 3160..3387, 3363..3440		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o2.tw	Method	TBLASTX:Wheat
Start	3255	End	3686
GI	none	Score	53
Exons	3255..3512, 3373..3501, 3537..3686, 3559..3624		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o2.tm	Method	TBLASTX:Maize
Start	3627	End	4062
GI	none	Score	189
Exons	3627..4049, 3627..4061, 3826..4062		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	3862	End	4237
GI	5509260	Score	228
Exons	3862..4170, 3867..4172, 4160..4237, 4170..4226		
GI Descrip.	-		

Seq. No.	25728	Seq. ID	OJ990704_49.9C01.C2
Gene No.	53449	Strand	-
Start	461	End	4237
Name	OJ990704_49.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	3870	End	4232
GI	none	Score	106
Exons	3870..4052, 3875..4078, 3876..4172, 3886..4056, 4078..4185, 4169..4222, 4176..4232		

Seq. No.	25729	Seq. ID	OJ990704_49.9C01.C3
Gene No.	53450	Strand	-
Start	2244	End	3623
Name	OJ990704_49.9C01.C3.o1.np	Method	AAT/NAP
Start	2198	End	3623
GI	1171577	Score	744
Exons	2198..3623		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	25729	Seq. ID	OJ990704_49.9C01.C3
Gene No.	53450	Strand	-

Start	2244	End	3623
Name	OJ990704_49.9C01.C3.o1.gs	Method	GENSCAN
Start	2244	End	3605
GI	none	Score	.71
Exons	2244..3605		

Seq. No.	25729	Seq. ID	OJ990704_49.9C01.C3
Gene No.	53450	Strand	-
Start	2244	End	3623
Name	OJ990704_49.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	2592	End	3599
GI	none	Score	84
Exons	2592..2780, 2919..3140, 2925..3158, 2992..3165, 3270..3425, 3316..3426, 3465..3599		

Seq. No.	25729	Seq. ID	OJ990704_49.9C01.C3
Gene No.	53450	Strand	-
Start	2244	End	3623
Name	OJ990704_49.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	3357	End	3612
GI	none	Score	64
Exons	3357..3431, 3361..3432, 3450..3605, 3456..3611, 3499..3612		

Seq. No.	25730	Seq. ID	OJ990704_49.9C01.C4
Gene No.	53451	Strand	+
Start	464	End	1087
Name	OJ990704_49.9C01.C4.o1.gs	Method	GENSCAN
Start	464	End	1087
GI	none	Score	.54
Exons	464..535, 845..1087		

Seq. No.	25731	Seq. ID	OJ990704_49.9C01.C6
Gene No.	53452	Strand	-
Start	16	End	248
Name	OJ990704_49.9C01.C6.o1.gs	Method	GENSCAN
Start	16	End	248
GI	none	Score	.5
Exons	16..248		

Seq. No.	25732	Seq. ID	OJ990704_49.9C01.C7
Gene No.	53453	Strand	+
Start	442	End	980
Name	OJ990704_49.9C01.C7.o1.gs	Method	GENSCAN
Start	442	End	980
GI	none	Score	.74
Exons	442..449, 673..816, 908..980		

Seq. No.	25733	Seq. ID	OJ990704_49.9C01.C8
Gene No.	53454	Strand	+
Start	1	End	558
Name	OJ990704_49.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	558
GI	4185311	Score	757
Exons	1..558		
GI Descrip.	(AF090446) polyprotein [Zea mays]		

Seq. No.	25733	Seq. ID	OJ990704_49.9C01.C8

Gene No.	53454	Strand	+
Start	1	End	558
Name	OJ990704_49.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	556
GI	none	Score	272
Exons	1..231, 2..247, 283..411, 287..556		

Seq. No.	25733	Seq. ID	OJ990704_49.9C01.C8
Gene No.	53454	Strand	+
Start	1	End	558
Name	OJ990704_49.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	2	End	139
GI	none	Score	219
Exons	2..139, 4..129, 5..136		

Seq. No.	25733	Seq. ID	OJ990704_49.9C01.C8
Gene No.	53454	Strand	+
Start	1	End	558
Name	OJ990704_49.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	139	End	556
GI	none	Score	541
Exons	139..555, 140..556, 146..556		

Seq. No.	25733	Seq. ID	OJ990704_49.9C01.C8
Gene No.	53454	Strand	+
Start	1	End	558
Name	OJ990704_49.9C01.C8.o1.gs	Method	GENSCAN
Start	179	End	394
GI	none	Score	.88
Exons	179..394		

Seq. No.	25733	Seq. ID	OJ990704_49.9C01.C8
Gene No.	53454	Strand	+
Start	1	End	558
Name	OJ990704_49.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	278	End	481
GI	none	Score	187
Exons	278..481		

Seq. No.	25734	Seq. ID	OJ990704_49.9C01.C10
Gene No.	53455	Strand	-
Start	1	End	419
Name	OJ990704_49.9C01.C10.o1.gs	Method	GENSCAN
Start	1	End	419
GI	none	Score	.48
Exons	1..266, 344..419		

Seq. No.	25735	Seq. ID	OJ990704_49.9C01.C12
Gene No.	53456	Strand	+
Start	587	End	1562
Name	OJ990704_49.9C01.C12.o1.gs	Method	GENSCAN
Start	587	End	1562
GI	none	Score	.47
Exons	587..673, 1226..1395, 1439..1562		

Seq. No.	25736	Seq. ID	OJ990704_49.9C01.C13
Gene No.	53457	Strand	+

Start	132	End	190
Name	OJ990704_49.9C01.C13.o1.gp	Method	AAT/GAP
Start	132	End	190
GI	62573_1.R1084	Score	97
Exons	132..190		
GI Descrip.	'2072553 9.0e-23 (AF001395) salT gene product [Oryza sativa]'		

Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53458	Strand	+
Start	1	End	384
Name	OJ990704_49.9C01.C16.o1.np	Method	AAT/NAP
Start	1	End	384
GI	5777617	Score	70
Exons	1..20, 287..384		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53459	Strand	+
Start	2168	End	2776
Name	OJ990704_49.9C01.C16.o2.gs	Method	GENSCAN
Start	2168	End	2776
GI	none	Score	.48
Exons	2168..2776		

Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53460	Strand	-
Start	848	End	2528
Name	OJ990704_49.9C01.C16.o1.gs	Method	GENSCAN
Start	848	End	1168
GI	none	Score	1
Exons	848..1168		

Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53460	Strand	-
Start	848	End	2528
Name	OJ990704_49.9C01.C16.o2.np	Method	AAT/NAP
Start	851	End	2528
GI	5441879	Score	190
Exons	851..1052, 2504..2528		
GI Descrip.	(AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]		

Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53461	Strand	-
Start	3619	End	4469
Name	OJ990704_49.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	839	End	1088
GI	none	Score	205
Exons	839..1039, 843..1088, 845..1051		

Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53461	Strand	-
Start	3619	End	4469
Name	OJ990704_49.9C01.C16.o1.tc	Method	TBLASTX:Cress
Start	842	End	1051
GI	none	Score	49

Exons	842..1051, 849..893, 957..1028		
Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53461	Strand	-
Start	3619	End	4469
Name	OJ990704_49.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	860	End	1082
GI	none	Score	75
Exons	860..1051, 879..1082		
Seq. No.	25737	Seq. ID	OJ990704_49.9C01.C16
Gene No.	53461	Strand	-
Start	3619	End	4469
Name	OJ990704_49.9C01.C16.o3.gs	Method	GENSCAN
Start	3619	End	4469
GI	none	Score	.93
Exons	3619..3632, 4055..4469		
Seq. No.	25738	Seq. ID	OJ990704_49.9C01.C17
Gene No.	53462	Strand	+
Start	1427	End	1680
Name	OJ990704_49.9C01.C17.o2.np	Method	AAT/NAP
Start	1427	End	1680
GI	6539570	Score	75
Exons	1427..1680		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	25738	Seq. ID	OJ990704_49.9C01.C17
Gene No.	53463	Strand	-
Start	15	End	384
Name	OJ990704_49.9C01.C17.o1.gs	Method	GENSCAN
Start	15	End	384
GI	none	Score	.5
Exons	15..384		
Seq. No.	25738	Seq. ID	OJ990704_49.9C01.C17
Gene No.	53464	Strand	-
Start	586	End	1894
Name	OJ990704_49.9C01.C17.o1.np	Method	AAT/NAP
Start	586	End	1894
GI	5777617	Score	103
Exons	586..687, 760..876, 1853..1894		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	25739	Seq. ID	OJ990704_49.9C01.C18
Gene No.	53465	Strand	+
Start	24	End	239
Name	OJ990704_49.9C01.C18.o1.gs	Method	GENSCAN
Start	24	End	239
GI	none	Score	.83
Exons	24..239		
Seq. No.	25740	Seq. ID	OJ990704_49.9C01.C20
Gene No.	53466	Strand	+
Start	1	End	329
Name	OJ990704_49.9C01.C20.o1.np	Method	AAT/NAP
Start	1	End	305

GI	6630685	Score	391
Exons	1..305		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	25740	Seq. ID	OJ990704_49.9C01.C20
Gene No.	53466	Strand	+
Start	1	End	329
Name	OJ990704_49.9C01.C20.o1.tm	Method	TBLASTX:Maize
Start	3	End	329
GI	none	Score	396
Exons	3..329, 8..295, 12..308		

Seq. No.	25741	Seq. ID	OJ990704_49.9C01.C22
Gene No.	53467	Strand	+
Start	2504	End	4368
Name	OJ990704_49.9C01.C22.o1.np	Method	AAT/NAP
Start	2504	End	4368
GI	544262	Score	83
Exons	2504..2925, 4301..4368		
GI Descrip.	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP) gi|322761|pir||JQ1696 pistil extensin-like protein precursor (clone pMG15) - common tobacco gi|19929|emb|CAA78397| (Z14019) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	25741	Seq. ID	OJ990704_49.9C01.C22
Gene No.	53468	Strand	-
Start	2484	End	7400
Name	OJ990704_49.9C01.C22.o1.gs	Method	GENSCAN
Start	2484	End	7400
GI	none	Score	.69
Exons	2484..2955, 3092..3131, 3427..3573, 3651..3732, 5723..5761, 6918..7009, 7335..7400		

Seq. No.	25741	Seq. ID	OJ990704_49.9C01.C22
Gene No.	53468	Strand	-
Start	2484	End	7400
Name	OJ990704_49.9C01.C22.o1.gp	Method	AAT/GAP
Start	2669	End	2899
GI	none	Score	450
Exons	2669..2899		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53469	Strand	+
Start	2472	End	4474
Name	OJ990704_49.9C01.C23.o1.gs	Method	GENSCAN
Start	2472	End	4474
GI	none	Score	.88
Exons	2472..2650, 2795..3072, 3277..3366, 4356..4474		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o1.gp	Method	AAT/GAP
Start	4681	End	4961
GI	none	Score	558
Exons	4681..4961		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o2.gs	Method	GENSCAN
Start	4822	End	15984
GI	none	Score	.41
Exons	4822..4927, 5291..5553, 6080..6331, 6482..6757, 6890..6985, 10192..10386, 12496..12932, 13423..13539, 15404..15654, 15851..15984		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o2.gp	Method	AAT/GAP
Start	12622	End	15658
GI	47206_1.R1084	Score	965
Exons	12622..12932, 15424..15658		
GI Descrip.	'3153205 4.0e-19 (U80922) serine/threonine protein phosphatase type one [Arabidopsis thaliana]'		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o1.np	Method	AAT/NAP
Start	12737	End	16173
GI	6714452	Score	1171
Exons	12737..12932, 15424..15984, 16059..16173		
GI Descrip.	(AC011620) putative serine/threonine protein phosphatase type one [Arabidopsis thaliana]		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o1.tc	Method	TBLASTX:Cress
Start	12820	End	16172
GI	none	Score	99
Exons	12820..12936, 12836..12937, 15422..15658, 15422..15658, 15423..15662, 15661..15963, 15664..16011, 15666..15977, 16058..16168, 16058..16171, 16059..16172		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o1.tm	Method	TBLASTX:Maize
Start	12823	End	16172
GI	none	Score	117
Exons	12823..12936, 12836..12937, 15422..15655, 15422..15658, 15423..15662, 15657..15986, 15664..16011, 16052..16171, 16058..16171, 16059..16172		

Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o1.ts	Method	TBLASTX:Soybean
Start	12823	End	16172
GI	none	Score	114

Exons	12823..12936, 12836..12937, 15422..15658, 15423..15662, 15664..16011, 15670..15984, 15813..15986, 16055..16171, 16059..16172		
Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o1.tw	Method	TBLASTX:Wheat
Start	15426	End	15856
GI	none	Score	356
Exons	15426..15662, 15428..15661, 15511..15666, 15664..15855, 15667..15846, 15719..15856		
Seq. No.	25742	Seq. ID	OJ990704_49.9C01.C23
Gene No.	53470	Strand	+
Start	4822	End	16173
Name	OJ990704_49.9C01.C23.o2.tw	Method	TBLASTX:Wheat
Start	15913	End	16172
GI	none	Score	114
Exons	15913..16011, 16057..16167, 16058..16171, 16059..16172		
Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53471	Strand	+
Start	391	End	2206
Name	OJ990704_49.9C01.C24.o1.gs	Method	GENSCAN
Start	391	End	2206
GI	none	Score	.49
Exons	391..471, 864..963, 2118..2206		
Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53472	Strand	+
Start	5359	End	6933
Name	OJ990704_49.9C01.C24.o2.gs	Method	GENSCAN
Start	5359	End	6933
GI	none	Score	.99
Exons	5359..6933		
Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53472	Strand	+
Start	5359	End	6933
Name	OJ990704_49.9C01.C24.o2.np	Method	AAT/NAP
Start	5374	End	6930
GI	5042430	Score	1066
Exons	5374..6930		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53473	Strand	+
Start	12482	End	13245
Name	OJ990704_49.9C01.C24.o4.gs	Method	GENSCAN
Start	12482	End	13245
GI	none	Score	.97
Exons	12482..12943, 12988..13245		
Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53474	Strand	-
Start	1	End	1892

Name	OJ990704_49.9C01.C24.o1.np	Method	AAT/NAP
Start	1	End	1892
GI	6721547	Score	87
Exons	1..33, 977..1061, 1808..1892		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o3.tw	Method	TBLASTX:Wheat
Start	5505	End	5868
GI	none	Score	71
Exons	5505..5633, 5521..5589, 5595..5786, 5605..5796, 5746..5787, 5800..5868		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o3.tm	Method	TBLASTX:Maize
Start	5530	End	6020
GI	none	Score	53
Exons	5530..5589, 5605..5685, 5686..5796, 5800..5868, 5916..6020, 5917..6018		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o1.tc	Method	TBLASTX:Cress
Start	5536	End	6923
GI	none	Score	49
Exons	5536..5601, 5596..5664, 5731..5796, 5923..6174, 6163..6252, 6259..6447, 6273..6365, 6442..6666, 6460..6609, 6465..6629, 6673..6834, 6711..6833, 6715..6837, 6855..6923		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o1.ts	Method	TBLASTX:Soybean
Start	5596	End	6897
GI	none	Score	145
Exons	5596..5796, 6082..6192, 6271..6429, 6273..6356, 6427..6684, 6465..6617, 6679..6822, 6715..6819, 6717..6821, 6871..6897		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o1.tm	Method	TBLASTX:Maize
Start	6139	End	6831
GI	none	Score	44
Exons	6139..6195, 6211..6270, 6240..6365, 6247..6405, 6442..6831, 6468..6629, 6499..6828		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o1.tw	Method	TBLASTX:Wheat
Start	6552	End	6917

GI	none	Score	348
Exons	6552..6629, 6553..6837, 6556..6819, 6711..6836, 6840..6917		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o3.np	Method	AAT/NAP
Start	7162	End	13399
GI	4680207	Score	697
Exons	7162..9182, 10379..10728, 13373..13399		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o3.gs	Method	GENSCAN
Start	7280	End	11139
GI	none	Score	.89
Exons	7280..8750, 8772..9266, 10379..11139		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o4.tw	Method	TBLASTX:Wheat
Start	8051	End	8455
GI	none	Score	75
Exons	8051..8296, 8297..8455		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o2.ts	Method	TBLASTX:Soybean
Start	8132	End	9226
GI	none	Score	82
Exons	8132..8296, 8627..9025, 8736..8837, 9143..9226		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o2.tw	Method	TBLASTX:Wheat
Start	8525	End	8836
GI	none	Score	49
Exons	8525..8599, 8529..8600, 8633..8788, 8636..8836, 8727..8816		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399
Name	OJ990704_49.9C01.C24.o2.tm	Method	TBLASTX:Maize
Start	8531	End	9044
GI	none	Score	117
Exons	8531..8596, 8630..8872, 8651..8809, 8727..8870, 8949..9044, 8987..9028		

Seq. No.	25743	Seq. ID	OJ990704_49.9C01.C24
Gene No.	53475	Strand	-
Start	7280	End	13399

Name	OJ990704_49.9C01.C24.o4.tm	Method	TBLASTX:Maize
Start	9048	End	9287
GI	none	Score	135
Exons	9048..9287, 9056..9268		

Seq. No.	25744	Seq. ID	OJ990704_49.9C01.C25
Gene No.	53476	Strand	+
Start	55	End	289
Name	OJ990704_49.9C01.C25.o1.gs	Method	GENSCAN
Start	55	End	289
GI	none	Score	.59
Exons	55..119, 133..289		

Seq. No.	25745	Seq. ID	OJ990704_49.9C01.C27
Gene No.	53477	Strand	-
Start	73	End	420
Name	OJ990704_49.9C01.C27.o1.gs	Method	GENSCAN
Start	73	End	420
GI	none	Score	.79
Exons	73..420		

Seq. No.	25746	Seq. ID	OJ990704_49.9C01.C30
Gene No.	53478	Strand	-
Start	1600	End	2293
Name	OJ990704_49.9C01.C30.o1.tw	Method	TBLASTX:Wheat
Start	1447	End	1902
GI	none	Score	130
Exons	1447..1902, 1448..1705		

Seq. No.	25746	Seq. ID	OJ990704_49.9C01.C30
Gene No.	53478	Strand	-
Start	1600	End	2293
Name	OJ990704_49.9C01.C30.o1.tm	Method	TBLASTX:Maize
Start	1591	End	1906
GI	none	Score	279
Exons	1591..1905, 1595..1906		

Seq. No.	25746	Seq. ID	OJ990704_49.9C01.C30
Gene No.	53478	Strand	-
Start	1600	End	2293
Name	OJ990704_49.9C01.C30.o1.np	Method	AAT/NAP
Start	1600	End	2293
GI	100484	Score	451
Exons	1600..2293		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	25747	Seq. ID	OJ990704_49.9C01.C31
Gene No.	53479	Strand	-
Start	1	End	612
Name	OJ990704_49.9C01.C31.o1.np	Method	AAT/NAP
Start	1	End	612
GI	3522945	Score	95
Exons	1..150, 594..612		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+

Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.tw	Method	TBLASTX:Wheat
Start	496	End	911
GI	none	Score	185
Exons	496..729, 503..730, 525..680, 718..909, 732..911		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+
Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	523	End	1679
GI	none	Score	93
Exons	523..639, 534..662, 534..659, 587..661, 603..677, 662..730, 663..680, 667..732, 667..729, 718..903, 731..838, 732..908, 740..757, 762..950, 886..975, 908..985, 908..967, 996..1523, 1053..1535, 1196..1531, 1562..1594, 1562..1591, 1640..1678, 1653..1679		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+
Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.ts	Method	TBLASTX:Soybean
Start	534	End	1514
GI	none	Score	110
Exons	534..659, 587..640, 642..677, 653..676, 661..729, 662..730, 732..812, 734..811, 882..914, 1092..1514, 1196..1468		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+
Start	537	End	1679
Name	OJ990724_37.9C01.C1.o2.tc	Method	TBLASTX:Cress
Start	534	End	812
GI	none	Score	133
Exons	534..659, 587..658, 608..661, 609..668, 617..664, 695..730, 710..733, 713..799, 718..810, 718..777, 732..812, 740..811		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+
Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.gs	Method	GENSCAN
Start	537	End	1592
GI	none	Score	.62
Exons	537..915, 1054..1592		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+
Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.np	Method	AAT/NAP
Start	537	End	1589
GI	1170504	Score	1310
Exons	537..1589		
GI Descrip.	EUKARYOTIC INITIATION FACTOR (ISO)4F SUBUNIT P82 (IEIF-(ISO)4F P82) gi|452440 (M95747) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+

Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.gp	Method	AAT/GAP
Start	806	End	1556
GI	9170_1.R1084	Score	1494
Exons	806..1556		
GI Descrip.	'322867/pir||A44452 5.0e-78 translation initiation factor eIF-4F isozyme form subunit p82 - wheat'		

Seq. No.	25748	Seq. ID	OJ990724_37.9C01.C1
Gene No.	53480	Strand	+
Start	537	End	1679
Name	OJ990724_37.9C01.C1.o1.tc	Method	TBLASTX:Cress
Start	1092	End	1358
GI	none	Score	266
Exons	1092..1358, 1187..1357		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53481	Strand	+
Start	1078	End	3113
Name	OJ990724_37.9C01.C2.o1.gs	Method	GENSCAN
Start	1078	End	3113
GI	none	Score	.51
Exons	1078..1227, 1375..1457, 2783..2923, 3020..3113		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53481	Strand	+
Start	1078	End	3113
Name	OJ990724_37.9C01.C2.o1.np	Method	AAT/NAP
Start	1932	End	3107
GI	3452091	Score	331
Exons	1932..2097, 2803..2923, 3020..3107		
GI Descrip.	(AJ004899) rudimentary enhancer [Glycine max]		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53482	Strand	-
Start	1	End	283
Name	OJ990724_37.9C01.C2.o1.gp	Method	AAT/GAP
Start	1	End	283
GI	2308_1.R1084	Score	516
Exons	1..283		
GI Descrip.	'452439/gb|M95747|WHTIF4F82B 1.0e-29 Wheat (clone p80k-34) initiation factor isozyme 4F p82 subunit mRNA, complete cds'		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53483	Strand	-
Start	3712	End	4189
Name	OJ990724_37.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	1994	End	3106
GI	none	Score	137
Exons	1994..2104, 1995..2099, 2781..2924, 2801..2929, 2822..2926, 3008..3106, 3021..3104		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53483	Strand	-
Start	3712	End	4189
Name	OJ990724_37.9C01.C2.o1.tc	Method	TBLASTX:Cress
Start	2004	End	3104

GI	none	Score	110
Exons	2004..2099, 2009..2098, 2781..2924, 2789..2923, 3021..3104, 3038..3103		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53483	Strand	-
Start	3712	End	4189
Name	OJ990724_37.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	2802	End	3106
GI	none	Score	195
Exons	2802..2924, 2802..2924, 2804..2926, 2804..2929, 3019..3096, 3020..3094, 3021..3104, 3023..3106		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53483	Strand	-
Start	3712	End	4189
Name	OJ990724_37.9C01.C2.o2.gs	Method	GENSCAN
Start	3712	End	4182
GI	none	Score	.41
Exons	3712..3836, 3873..4182		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53483	Strand	-
Start	3712	End	4189
Name	OJ990724_37.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	3736	End	3939
GI	none	Score	96
Exons	3736..3927, 3736..3939, 3737..3934		

Seq. No.	25749	Seq. ID	OJ990724_37.9C01.C2
Gene No.	53483	Strand	-
Start	3712	End	4189
Name	OJ990724_37.9C01.C2.o2.np	Method	AAT/NAP
Start	3829	End	4189
GI	6453870	Score	283
Exons	3829..4189		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25750	Seq. ID	OJ990724_37.9C01.C3
Gene No.	53484	Strand	+
Start	3878	End	5991
Name	OJ990724_37.9C01.C3.o2.gs	Method	GENSCAN
Start	3878	End	5991
GI	none	Score	.7
Exons	3878..4090, 4229..4453, 4550..4642, 4881..4955, 5806..5991		

Seq. No.	25750	Seq. ID	OJ990724_37.9C01.C3
Gene No.	53484	Strand	+
Start	3878	End	5991
Name	OJ990724_37.9C01.C3.o2.np	Method	AAT/NAP
Start	3899	End	5444
GI	2827535	Score	353
Exons	3899..4106, 4266..4453, 4521..4642, 4881..4955, 5041..5444		
GI Descrip.	(AL021633) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25750	Seq. ID	OJ990724_37.9C01.C3
Gene No.	53484	Strand	+

Start	3878	End	5991
Name	OJ990724_37.9C01.C3.o1.gp	Method	AAT/GAP
Start	4349	End	5253
GI	LIB3434-003-P1-K1-F7	Score	802
Exons	4349..4453, 4550..4642, 4881..4955, 5041..5253		
GI Descrip.	'2827535/emb|CAA16543.1| 1.0e-16 (AL021633) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25750	Seq. ID	OJ990724_37.9C01.C3
Gene No.	53485	Strand	-
Start	1	End	3510
Name	OJ990724_37.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	1595
GI	6453870	Score	797
Exons	1..180, 383..553, 658..753, 865..1124, 1220..1595		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25750	Seq. ID	OJ990724_37.9C01.C3
Gene No.	53485	Strand	-
Start	1	End	3510
Name	OJ990724_37.9C01.C3.o1.gs	Method	GENSCAN
Start	383	End	3510
GI	none	Score	.82
Exons	383..553, 658..753, 865..1124, 1220..1696, 2220..2295, 2429..2510, 2850..2896, 3331..3510		

Seq. No.	25750	Seq. ID	OJ990724_37.9C01.C3
Gene No.	53486	Strand	
Start	4254	End	5133
Name	OJ990724_37.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	4254	End	5133
GI	none	Score	155
Exons	4254..4382, 4260..4385, 4262..4387, 4380..4460, 4381..4458, 4547..4642, 4549..4641, 4879..4956, 4880..4957, 4914..4958, 5013..5132, 5040..5129, 5041..5133		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53487	Strand	+
Start	4386	End	13012
Name	OJ990724_37.9C01.C4.o2.gs	Method	GENSCAN
Start	4386	End	13012
GI	none	Score	.5
Exons	4386..5093, 5455..5494, 6199..6330, 6574..6685, 10281..10385, 10387..10582, 10941..11396, 11413..11550, 12373..12552, 12590..12609, 12910..13012		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53487	Strand	+
Start	4386	End	13012
Name	OJ990724_37.9C01.C4.o1.gp	Method	AAT/GAP
Start	10696	End	11167
GI	3061096	Score	786
Exons	10696..11167		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53488	Strand	+
Start	13678	End	14406

Name	OJ990724_37.9C01.C4.o3.gs	Method	GENSCAN
Start	13678	End	14406
GI	none	Score	.93
Exons	13678..14406		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53489	Strand	-
Start	353	End	3480
Name	OJ990724_37.9C01.C4.o1.np	Method	AAT/NAP
Start	353	End	2767
GI	4406773	Score	922
Exons	353..481, 840..1009, 1080..1364, 1528..1627, 1814..1915, 1984..2135, 2240..2295, 2461..2505, 2607..2767		
GI Descrip.	(AC006836) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53489	Strand	-
Start	353	End	3480
Name	OJ990724_37.9C01.C4.o1.gs	Method	GENSCAN
Start	827	End	3480
GI	none	Score	.71
Exons	827..1009, 1080..1364, 2562..2827, 3441..3480		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	352	End	2511
GI	none	Score	100
Exons	352..501, 887..1015, 887..1006, 894..992, 1080..1223, 1089..1133, 1245..1331, 1254..1364, 1510..1629, 1817..1837, 1852..1899, 2015..2071, 2416..2511		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o3.tc	Method	TBLASTX:Cress
Start	352	End	2511
GI	none	Score	91
Exons	352..501, 887..1015, 887..1006, 894..992, 894..995, 1080..1232, 1089..1151, 1254..1364, 1255..1359, 1510..1629, 1516..1629, 1852..1899, 2015..2071, 2416..2511		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o4.tm	Method	TBLASTX:Maize
Start	837	End	1012
GI	none	Score	189
Exons	837..1010, 848..1012, 887..1012		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	1071	End	1629
GI	none	Score	273

Exons	1071..1364, 1081..1365, 1085..1366, 1462..1629, 1528..1629		
Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o2.tc	Method	TBLASTX:Cress
Start	11410	End	14400
GI	none	Score	109
Exons	11410..11547, 12218..12286, 12370..12396, 12490..12546, 13702..13878, 13978..14028, 14146..14400, 14268..14399		
Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o3.ts	Method	TBLASTX:Soybean
Start	11410	End	14391
GI	none	Score	63
Exons	11410..11478, 11518..11550, 12370..12423, 12487..12546, 13705..13878, 13978..14028, 14131..14391		
Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	12373	End	14400
GI	none	Score	42
Exons	12373..12423, 12448..12549, 13702..13878, 13978..14028, 14140..14400, 14271..14381		
Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o4.gs	Method	GENSCAN
Start	14975	End	18433
GI	none	Score	.65
Exons	14975..15117, 15372..15698, 15882..15941, 17308..18433		
Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o2.gp	Method	AAT/GAP
Start	16951	End	18633
GI	321_1.R1084	Score	3316
Exons	16951..18633		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-163 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		
Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	17019	End	18654
GI	none	Score	78
Exons	17019..17057, 17020..17058, 17021..17125, 17119..17172, 17143..17178, 17144..17173, 17225..17275, 17230..17280, 17235..17282, 17269..17304, 17270..17326, 17318..17374, 17328..17384, 17333..17386, 17385..17603, 17393..18454,		

17394..18560, 18240..18476, 18471..18527, 18502..18528,
18529..18573, 18571..18654, 18571..18630, 18573..18635

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o2.np	Method	AAT/NAP
Start	17240	End	18433
GI	6646848	Score	2093
Exons	17240..18433		
GI Descrip.	(Y07766) S-adenosylmethionine decarboxylase [Oryza sativa]		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	17381	End	18641
GI	none	Score	225
Exons	17381..17602, 17385..17603, 17393..17608, 17597..18391, 17606..18403, 17607..18419, 18469..18639, 18477..18641, 18477..18575, 18502..18630, 18548..18634		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	17520	End	18400
GI	none	Score	134
Exons	17520..17786, 17534..17785, 17810..17878, 17811..17879, 17903..17929, 17945..18394, 17945..18400, 18000..18398		

Seq. No.	25751	Seq. ID	OJ990724_37.9C01.C4
Gene No.	53490	Strand	-
Start	14975	End	18654
Name	OJ990724_37.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	17522	End	18401
GI	none	Score	157
Exons	17522..17803, 17523..17795, 17822..17896, 17829..17879, 17885..17929, 17936..18400, 17949..18401		

Seq. No.	25752	Seq. ID	OJ990724_37.9C01.C5
Gene No.	53491	Strand	+
Start	2214	End	2512
Name	OJ990724_37.9C01.C5.o2.gp	Method	AAT/GAP
Start	2214	End	2512
GI	3759940	Score	517
Exons	2214..2512		

Seq. No.	25752	Seq. ID	OJ990724_37.9C01.C5
Gene No.	53492	Strand	-
Start	881	End	1105
Name	OJ990724_37.9C01.C5.o1.gp	Method	AAT/GAP
Start	881	End	1105
GI	321_1.R1084	Score	425
Exons	881..1105		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-163 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	25753	Seq. ID	OJ990724_37.9C01.C6
Gene No.	53493	Strand	+
Start	3442	End	3984
Name	OJ990724_37.9C01.C6.o2.gs	Method	GENSCAN
Start	3442	End	3984
GI	none	Score	.81
Exons	3442..3585, 3673..3984		

Seq. No.	25753	Seq. ID	OJ990724_37.9C01.C6
Gene No.	53494	Strand	-
Start	1	End	2159
Name	OJ990724_37.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	2150
GI	4584525	Score	254
Exons	1..38, 277..370, 459..535, 621..755, 867..1013, 1055..1190, 1357..1462, 1862..1931, 2034..2150		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	25753	Seq. ID	OJ990724_37.9C01.C6
Gene No.	53494	Strand	-
Start	1	End	2159
Name	OJ990724_37.9C01.C6.o1.gs	Method	GENSCAN
Start	318	End	2159
GI	none	Score	.92
Exons	318..370, 459..535, 872..989, 1073..1190, 1447..1462, 1862..1931, 2034..2159		

Seq. No.	25754	Seq. ID	OJ990724_37.9C01.C7
Gene No.	53495	Strand	+
Start	421	End	874
Name	OJ990724_37.9C01.C7.o1.gp	Method	AAT/GAP
Start	421	End	874
GI	1118_1.R1084	Score	889
Exons	421..874		
GI Descrip.	'2239089/emb|CAB06430| 2.0e-46 (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_3288180_emb_CAB11466_ (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	25755	Seq. ID	OJ990724_37.9C01.C8
Gene No.	53496	Strand	-
Start	1	End	646
Name	OJ990724_37.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	646
GI	2498930	Score	756
Exons	1..410, 578..646		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	25756	Seq. ID	OJ990724_37.9C01.C9
Gene No.	53497	Strand	-
Start	1073	End	1202
Name	OJ990724_37.9C01.C9.o1.gp	Method	AAT/GAP
Start	1073	End	1202
GI	12420_1.R1084	Score	175

Exons	1073..1202		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		
Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53498	Strand	+
Start	2588	End	4920
Name	OJ990724_37.9C01.C13.o1.gp	Method	AAT/GAP
Start	2345	End	3039
GI	29544_1.R1084	Score	986
Exons	2345..2464, 2582..3039		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		
Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53498	Strand	+
Start	2588	End	4920
Name	OJ990724_37.9C01.C13.o2.np	Method	AAT/NAP
Start	2573	End	4920
GI	6469032	Score	378
Exons	2573..3017, 4894..4920		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		
Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53498	Strand	+
Start	2588	End	4920
Name	OJ990724_37.9C01.C13.o2.gs	Method	GENSCAN
Start	2588	End	3076
GI	none	Score	.59
Exons	2588..3076		
Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53499	Strand	-
Start	1	End	2400
Name	OJ990724_37.9C01.C13.o1.np	Method	AAT/NAP
Start	1	End	2400
GI	2916938	Score	45
Exons	1..33, 1913..2103, 2247..2400		
GI Descrip.	(AL021999) PE_PGRS [Mycobacterium tuberculosis]		
Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53499	Strand	-
Start	1	End	2400
Name	OJ990724_37.9C01.C13.o1.gs	Method	GENSCAN
Start	1623	End	2035
GI	none	Score	.53
Exons	1623..1781, 1850..2035		
Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53500	Strand	-
Start	4077	End	4347
Name	OJ990724_37.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	2584	End	3019
GI	none	Score	180
Exons	2584..2712, 2588..2716, 2768..2914, 2794..2862, 2909..2986, 2909..3019		

Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53500	Strand	-
Start	4077	End	4347
Name	OJ990724_37.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	2585	End	3019
GI	none	Score	218
Exons	2585..2719, 2587..2718, 2738..3019, 2765..2986		

Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53500	Strand	-
Start	4077	End	4347
Name	OJ990724_37.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	2585	End	3018
GI	none	Score	162
Exons	2585..2716, 2587..2712, 2768..2893, 2794..2859, 2903..2986, 2926..3018		

Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53500	Strand	-
Start	4077	End	4347
Name	OJ990724_37.9C01.C13.o1.tw	Method	TBLASTX:Wheat
Start	2585	End	2719
GI	none	Score	183
Exons	2585..2719, 2587..2718		

Seq. No.	25757	Seq. ID	OJ990724_37.9C01.C13
Gene No.	53500	Strand	-
Start	4077	End	4347
Name	OJ990724_37.9C01.C13.o3.gs	Method	GENSCAN
Start	4077	End	4347
GI	none	Score	.95
Exons	4077..4244, 4315..4347		

Seq. No.	25758	Seq. ID	OJ990724_37.9C01.C14
Gene No.	53501	Strand	+
Start	50	End	487
Name	OJ990724_37.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	35	End	380
GI	none	Score	72
Exons	35..97, 49..96, 194..250, 195..242, 207..380		

Seq. No.	25758	Seq. ID	OJ990724_37.9C01.C14
Gene No.	53501	Strand	+
Start	50	End	487
Name	OJ990724_37.9C01.C14.o1.gs	Method	GENSCAN
Start	50	End	487
GI	none	Score	.42
Exons	50..487		

Seq. No.	25759	Seq. ID	OJ990724_37.9C01.C15
Gene No.	53502	Strand	+
Start	1	End	270
Name	OJ990724_37.9C01.C15.o1.gp	Method	AAT/GAP
Start	1	End	270
GI	1799_1.R1084	Score	470
Exons	1..270		

GI Descrip.	'3608147 3.0e-18 (AC005314) putative chloroplast 31 kDa ribonucleoprotein precursor [Arabidopsis thaliana]'		
Seq. No.	25759	Seq. ID	OJ990724_37.9C01.C15
Gene No.	53502	Strand	+
Start	1	End	270
Name	OJ990724_37.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	270
GI	3608147	Score	105
Exons	1..270		
GI Descrip.	(AC005314) putative chloroplast RNA binding protein precursor [Arabidopsis thaliana]		
Seq. No.	25759	Seq. ID	OJ990724_37.9C01.C15
Gene No.	53502	Strand	+
Start	1	End	270
Name	OJ990724_37.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	130	End	270
GI	none	Score	204
Exons	130..270, 131..268		
Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53503	Strand	+
Start	1	End	1705
Name	OJ990724_37.9C01.C19.o1.np	Method	AAT/NAP
Start	1	End	1705
GI	6469032	Score	597
Exons	1..51, 912..1405, 1431..1705		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		
Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53503	Strand	+
Start	1	End	1705
Name	OJ990724_37.9C01.C19.o1.gs	Method	GENSCAN
Start	1060	End	1669
GI	none	Score	.49
Exons	1060..1417, 1443..1669		
Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53504	Strand	-
Start	1051	End	1705
Name	OJ990724_37.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	916	End	1149
GI	none	Score	323
Exons	916..1149, 930..1070		
Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53504	Strand	-
Start	1051	End	1705
Name	OJ990724_37.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	916	End	1567
GI	none	Score	387
Exons	916..1194, 920..1168, 930..1169, 1175..1387, 1177..1398, 1206..1397, 1411..1554, 1429..1554, 1433..1567, 1433..1561		
Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19

Gene No.	53504	Strand	-
Start	1051	End	1705
Name	OJ990724_37.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	916	End	1705
GI	none	Score	331
Exons	916..1164, 923..1027, 924..1070, 928..1149, 1204..1398, 1411..1494, 1433..1507, 1522..1701, 1523..1705, 1616..1705		

Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53504	Strand	-
Start	1051	End	1705
Name	OJ990724_37.9C01.C19.o1.gp	Method	AAT/GAP
Start	1051	End	1705
GI	1118_1.R1084	Score	1199
Exons	1051..1705		
GI Descrip.	'2239089/emb|CAB06430| 2.0e-46 (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_3288180_emb_CAB11466_ (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53504	Strand	-
Start	1051	End	1705
Name	OJ990724_37.9C01.C19.o2.tc	Method	TBLASTX:Cress
Start	1192	End	1627
GI	none	Score	157
Exons	1192..1398, 1287..1388, 1414..1494, 1436..1507, 1556..1627, 1558..1626		

Seq. No.	25760	Seq. ID	OJ990724_37.9C01.C19
Gene No.	53504	Strand	-
Start	1051	End	1705
Name	OJ990724_37.9C01.C19.o2.tm	Method	TBLASTX:Maize
Start	1568	End	1705
GI	none	Score	256
Exons	1568..1705, 1570..1704		

Seq. No.	25761	Seq. ID	OJ990724_37.9C01.C20
Gene No.	53505	Strand	-
Start	102	End	426
Name	OJ990724_37.9C01.C20.o1.ts	Method	TBLASTX:Soybean
Start	100	End	419
GI	none	Score	87
Exons	100..198, 102..188, 314..418, 324..419		

Seq. No.	25761	Seq. ID	OJ990724_37.9C01.C20
Gene No.	53505	Strand	-
Start	102	End	426
Name	OJ990724_37.9C01.C20.o1.np	Method	AAT/NAP
Start	102	End	426
GI	1170504	Score	233
Exons	102..189, 324..426		
GI Descrip.	EUKARYOTIC INITIATION FACTOR (ISO)4F SUBUNIT P82 (IEIF-(ISO)4F P82) gi|452440 (M95747) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	25761	Seq. ID	OJ990724_37.9C01.C20

Gene No.	53505	Strand	-
Start	102	End	426
Name	OJ990724_37.9C01.C20.o1.gs	Method	GENSCAN
Start	102	End	189
GI	none	Score	.79
Exons	102..189		

Seq. No.	25762	Seq. ID	OJ990724_37.9C01.C21
Gene No.	53506	Strand	+
Start	5363	End	5683
Name	OJ990724_37.9C01.C21.o2.gs	Method	GENSCAN
Start	5363	End	5683
GI	none	Score	.52
Exons	5363..5430, 5483..5549, 5576..5683		

Seq. No.	25762	Seq. ID	OJ990724_37.9C01.C21
Gene No.	53507	Strand	-
Start	367	End	3778
Name	OJ990724_37.9C01.C21.o1.gs	Method	GENSCAN
Start	367	End	3778
GI	none	Score	.44
Exons	367..381, 664..735, 1410..1692, 2063..2187, 2359..2466, 2577..2781, 2926..3274, 3306..3444, 3725..3778		

Seq. No.	25762	Seq. ID	OJ990724_37.9C01.C21
Gene No.	53507	Strand	-
Start	367	End	3778
Name	OJ990724_37.9C01.C21.o1.np	Method	AAT/NAP
Start	648	End	1556
GI	1170504	Score	208
Exons	648..735, 1401..1556		
GI Descrip.	EUKARYOTIC INITIATION FACTOR (ISO)4F SUBUNIT P82 (IEIF-(ISO)4F P82) gi|452440 (M95747) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53508	Strand	+
Start	746	End	1307
Name	OJ990724_37.9C01.C22.o1.gs	Method	GENSCAN
Start	746	End	1307
GI	none	Score	.49
Exons	746..842, 1036..1307		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53509	Strand	+
Start	5921	End	6273
Name	OJ990724_37.9C01.C22.o1.gp	Method	AAT/GAP
Start	5921	End	6273
GI	2427594	Score	665
Exons	5921..6273		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53510	Strand	+
Start	11377	End	19630
Name	OJ990724_37.9C01.C22.o2.np	Method	AAT/NAP
Start	11377	End	19630
GI	3868853	Score	134

Exons	11377..11534, 16797..16863, 19351..19630		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53510	Strand	+
Start	11377	End	19630
Name	OJ990724_37.9C01.C22.o3.gp	Method	AAT/GAP
Start	15993	End	16874
GI	none	Score	1527
Exons	15993..16352, 16451..16874		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53510	Strand	+
Start	11377	End	19630
Name	OJ990724_37.9C01.C22.o5.gs	Method	GENSCAN
Start	16040	End	16704
GI	none	Score	.87
Exons	16040..16148, 16266..16352, 16451..16704		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53510	Strand	+
Start	11377	End	19630
Name	OJ990724_37.9C01.C22.o6.gs	Method	GENSCAN
Start	18822	End	19530
GI	none	Score	.94
Exons	18822..18945, 19067..19144, 19280..19530		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53511	Strand	+
Start	22085	End	27617
Name	OJ990724_37.9C01.C22.o8.gs	Method	GENSCAN
Start	22085	End	27617
GI	none	Score	.49
Exons	22085..22180, 23723..23845, 23979..24139, 24390..24690, 25218..25289, 27516..27617		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53511	Strand	+
Start	22085	End	27617
Name	OJ990724_37.9C01.C22.o5.gp	Method	AAT/GAP
Start	27211	End	27544
GI	3107009	Score	138
Exons	27211..27231, 27452..27544		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53512	Strand	-
Start	1	End	22897
Name	OJ990724_37.9C01.C22.o3.np	Method	AAT/NAP
Start	1	End	22897
GI	6006359	Score	61
Exons	1..142, 11114..11208, 22797..22897		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53512	Strand	-

Start	1	End	22897
Name	OJ990724_37.9C01.C22.o3.gs	Method	GENSCAN
Start	5071	End	13099
GI	none	Score	.48
Exons	5071..5309, 6080..6459, 7468..7934, 8007..8197, 8350..8718, 10044..10320, 10330..10607, 10877..10934, 11114..11292, 12360..12647, 12889..13099		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53512	Strand	-
Start	1	End	22897
Name	OJ990724_37.9C01.C22.o1.np	Method	AAT/NAP
Start	7353	End	8707
GI	3386534	Score	980
Exons	7353..7934, 8007..8707		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53512	Strand	-
Start	1	End	22897
Name	OJ990724_37.9C01.C22.o4.gs	Method	GENSCAN
Start	14390	End	15151
GI	none	Score	.98
Exons	14390..15151		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53512	Strand	-
Start	1	End	22897
Name	OJ990724_37.9C01.C22.o2.gp	Method	AAT/GAP
Start	14852	End	15026
GI	2796588	Score	179
Exons	14852..15026		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53512	Strand	-
Start	1	End	22897
Name	OJ990724_37.9C01.C22.o7.gs	Method	GENSCAN
Start	20033	End	20683
GI	none	Score	.95
Exons	20033..20683		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53513	Strand	-
Start	24129	End	24420
Name	OJ990724_37.9C01.C22.o4.gp	Method	AAT/GAP
Start	24129	End	24420
GI	69380_1.R1084	Score	221
Exons	24129..24157, 24276..24420		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53514	Strand	-
Start	28618	End	30310
Name	OJ990724_37.9C01.C22.o1.tw	Method	TBLASTX:Wheat
Start	7569	End	7850
GI	none	Score	73

Exons 7569..7682, 7680..7841, 7686..7850, 7702..7845

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53514	Strand	-
Start	28618	End	30310
Name	OJ990724_37.9C01.C22.o1.tm	Method	TBLASTX:Maize
Start	24271	End	24429
GI	none	Score	105
Exons	24271..24327, 24275..24334, 24275..24328, 24323..24415, 24328..24414, 24331..24429		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53514	Strand	-
Start	28618	End	30310
Name	OJ990724_37.9C01.C22.o9.gs	Method	GENSCAN
Start	28618	End	30310
GI	none	Score	.58
Exons	28618..28684, 28945..28988, 30299..30310		

Seq. No.	25763	Seq. ID	OJ990724_37.9C01.C22
Gene No.	53514	Strand	-
Start	28618	End	30310
Name	OJ990724_37.9C01.C22.o6.gp	Method	AAT/GAP
Start	28719	End	29047
GI	3107457	Score	470
Exons	28719..29047		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53515	Strand	+
Start	709	End	3789
Name	OJ990804_13.9C03.C2.o1.np	Method	AAT/NAP
Start	709	End	3789
GI	5922617	Score	752
Exons	709..813, 2681..2992, 3074..3423, 3463..3789		
GI Descrip.	(AP000492) EST C97105(C52004) corresponds to a region of the predicted gene.; similar to pectinesterase. (X95991) [Oryza sativa] gi|6016850|dbj|BAA85193.1| (AP000570) EST C97105(C52004) corresponds to a region of the predicted gene.; Similar to pectinesterase. (X95991) [Oryza sativa]		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	2728	End	3756
GI	none	Score	64
Exons	2728..2799, 2730..2807, 2796..2987, 2842..2988, 3046..3336, 3072..3335, 3361..3429, 3484..3582, 3589..3756, 3600..3755		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	3064	End	3540
GI	none	Score	308
Exons	3064..3336, 3072..3335, 3330..3413, 3331..3408, 3483..3539, 3484..3540		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	3072	End	3732
GI	none	Score	305
Exons	3072..3335, 3073..3336, 3331..3411, 3336..3413, 3484..3582, 3589..3732, 3612..3701		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	3111	End	3539
GI	none	Score	225
Exons	3111..3341, 3112..3336, 3360..3416, 3484..3534, 3486..3539		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	3562	End	3788
GI	none	Score	48
Exons	3562..3582, 3589..3780, 3591..3788		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o2.np	Method	AAT/NAP
Start	5746	End	9798
GI	6522592	Score	1662
Exons	5746..5772, 6668..9335, 9425..9798		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	6869	End	8467
GI	none	Score	98
Exons	6869..7081, 6899..7084, 6920..7060, 6962..7081, 7154..7450, 7163..7441, 7166..7444, 7166..7267, 7262..7444, 7333..7446, 7448..7633, 7466..7627, 7466..7636, 7492..7617, 7742..8371, 7760..8443, 7847..8467, 7861..8100, 7997..8050, 8060..8461, 8126..8461, 8149..8433		

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	6884	End	9564
GI	none	Score	105
Exons	6884..7081, 6890..7081, 6896..7081, 6898..7080, 6956..7081, 7133..7387, 7160..7285, 7160..7441, 7160..7447, 7166..7438, 7166..7429, 7187..7429, 7189..7440, 7208..7330, 7259..7444,		

7280..7411, 7442..7633, 7448..7633, 7448..7633, 7451..7633,
7687..7956, 7688..8170, 7760..7957, 7763..8344, 7766..8380,
7775..8101, 7790..8533, 7838..8245, 7946..8386, 8003..8461,
8015..8524, 8017..8244, 8281..8385, 8293..8523, 8299..8460,
8771..8863, 8879..8971, 9000..9050, 9161..9256, 9415..9564

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	6887	End	9759
GI	none	Score	71

Exons 6887..6997, 6887..7084, 6890..7177, 6890..7078, 6890..7084,
6890..7081, 6890..7027, 6899..7060, 6899..7081, 6905..7084,
6926..7081, 7001..7081, 7163..7375, 7163..7228, 7163..7264,
7166..7438, 7166..7438, 7166..7429, 7280..7432, 7340..7513,
7382..7627, 7448..7594, 7448..7642, 7454..7630, 7454..7594,
7457..7627, 7457..7642, 7478..7633, 7757..8509, 7760..8467,
7763..7873, 7763..8047, 7766..7981, 7811..8101, 7826..8467,
7835..7894, 7901..8080, 7952..8254, 7966..8103, 8024..8326,
8068..8385, 8096..8407, 8137..8325, 8240..8383, 8240..8461,
8258..8449, 8312..8464, 8330..8461, 8774..8854, 8888..8974,
9000..9050, 9161..9247, 9415..9534, 9661..9759

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	6926	End	8335
GI	none	Score	86

Exons 6926..7069, 6929..7030, 6983..7081, 7198..7344, 7402..7758,
7406..7804, 7826..8011, 7892..7978, 7897..8049, 8072..8188,
8215..8241, 8246..8335

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o3.gs	Method	GENSCAN
Start	7103	End	9794
GI	none	Score	.47

Exons 7103..8450, 9425..9794

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	8873	End	9256
GI	none	Score	135

Exons 8873..8998, 9081..9146, 9092..9142, 9146..9241, 9152..9256

Seq. No.	25764	Seq. ID	OJ990804_13.9C03.C2
Gene No.	53516	Strand	+
Start	5746	End	9798
Name	OJ990804_13.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	9287	End	9777
GI	none	Score	58

Exons 9287..9334, 9298..9333, 9423..9572, 9424..9777

Seq. No.	25765	Seq. ID	OJ990804_13.9C03.C4
Gene No.	53517	Strand	+
Start	1	End	1549
Name	OJ990804_13.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	1549
GI	2586083	Score	909
Exons	1..1549		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	25765	Seq. ID	OJ990804_13.9C03.C4
Gene No.	53517	Strand	+
Start	1	End	1549
Name	OJ990804_13.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	5	End	1212
GI	none	Score	65
Exons	5..166, 215..391, 224..391, 431..520, 449..517, 500..931, 521..943, 533..913, 533..946, 968..1042, 969..1139, 978..1211, 985..1194, 985..1212, 985..1212, 1030..1212		

Seq. No.	25765	Seq. ID	OJ990804_13.9C03.C4
Gene No.	53517	Strand	+
Start	1	End	1549
Name	OJ990804_13.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	5	End	1263
GI	none	Score	89
Exons	5..166, 5..166, 17..169, 224..394, 431..532, 500..940, 518..931, 518..928, 521..868, 521..943, 533..745, 533..946, 533..940, 544..858, 547..705, 740..931, 930..1139, 945..1151, 954..1151, 966..1211, 981..1148, 984..1211, 984..1079, 985..1212, 985..1212, 985..1212, 985..1263, 985..1212, 985..1260, 985..1212, 985..1212, 985..1212, 1030..1212, 1102..1212, 1108..1209		

Seq. No.	25765	Seq. ID	OJ990804_13.9C03.C4
Gene No.	53517	Strand	+
Start	1	End	1549
Name	OJ990804_13.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	17	End	1263
GI	none	Score	75
Exons	17..169, 20..166, 65..166, 215..391, 215..391, 224..391, 431..526, 512..931, 518..946, 524..784, 533..940, 533..931, 587..946, 628..858, 930..1139, 969..1151, 972..1151, 975..1148, 984..1214, 985..1212, 985..1212, 985..1212, 985..1263, 1015..1212		

Seq. No.	25765	Seq. ID	OJ990804_13.9C03.C4
Gene No.	53517	Strand	+
Start	1	End	1549
Name	OJ990804_13.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	215	End	1152
GI	none	Score	78
Exons	215..361, 343..735, 344..742, 524..697, 719..817, 985..1152, 985..1122		

Seq. No.	25765	Seq. ID	OJ990804_13.9C03.C4
Gene No.	53517	Strand	+

Start	1	End	1549
Name	OJ990804_13.9C03.C4.o1.gs	Method	GENSCAN
Start	291	End	1201
GI	none	Score	.4
Exons	291..506, 1079..1201		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53518	Strand	+
Start	1	End	553
Name	OJ990804_13.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	445
GI	6522592	Score	134
Exons	1..445		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53518	Strand	+
Start	1	End	553
Name	OJ990804_13.9C03.C5.o1.gs	Method	GENSCAN
Start	78	End	442
GI	none	Score	.79
Exons	78..442		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53518	Strand	+
Start	1	End	553
Name	OJ990804_13.9C03.C5.o1.gp	Method	AAT/GAP
Start	120	End	553
GI	LIB3431-039-P1-K2-A12	Score	831
Exons	120..553		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53519	Strand	+
Start	5051	End	12984
Name	OJ990804_13.9C03.C5.o2.np	Method	AAT/NAP
Start	5051	End	12984
GI	6522541	Score	1611
Exons	5051..5451, 6040..6127, 10323..12498, 12609..12984		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53519	Strand	+
Start	5051	End	12984
Name	OJ990804_13.9C03.C5.o3.gs	Method	GENSCAN
Start	10866	End	12976
GI	none	Score	.54
Exons	10866..12498, 12609..12976		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53520	Strand	+
Start	13259	End	13980
Name	OJ990804_13.9C03.C5.o4.gs	Method	GENSCAN
Start	13259	End	13980
GI	none	Score	.76

Exons	13259..13415, 13739..13980		
Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53521	Strand	+
Start	14509	End	15670
Name	OJ990804_13.9C03.C5.o5.gs	Method	GENSCAN
Start	14509	End	15670
GI	none	Score	.58
Exons	14509..14578, 15525..15670		
Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53522	Strand	+
Start	20826	End	23954
Name	OJ990804_13.9C03.C5.o4.np	Method	AAT/NAP
Start	20826	End	23954
GI	6522541	Score	1583
Exons	20826..23475, 23575..23954		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53523	Strand	+
Start	34917	End	35347
Name	OJ990804_13.9C03.C5.o3.gp	Method	AAT/GAP
Start	34917	End	35347
GI	2428185	Score	698
Exons	34917..35347		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53524	Strand	+
Start	35407	End	37930
Name	OJ990804_13.9C03.C5.o6.np	Method	AAT/NAP
Start	35407	End	37930
GI	6522592	Score	940
Exons	35407..35512, 36213..37930		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53524	Strand	+
Start	35407	End	37930
Name	OJ990804_13.9C03.C5.o7.np	Method	AAT/NAP
Start	36174	End	37930
GI	6539238	Score	487
Exons	36174..36766, 37160..37930		
GI Descrip.	(AC011765) putative receptor protein kinase [Arabidopsis thaliana]		
Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53524	Strand	+
Start	35407	End	37930
Name	OJ990804_13.9C03.C5.o10.gs	Method	GENSCAN
Start	36192	End	37725
GI	none	Score	.72
Exons	36192..37218, 37456..37725		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53525	Strand	-
Start	17188	End	20468
Name	OJ990804_13.9C03.C5.o6.gs	Method	GENSCAN
Start	17188	End	20468
GI	none	Score	.78
Exons	17188..17373, 18528..18643, 18816..19059, 19407..19816, 20105..20468		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53526	Strand	-
Start	25161	End	28775
Name	OJ990804_13.9C03.C5.o8.gs	Method	GENSCAN
Start	25161	End	28775
GI	none	Score	.77
Exons	25161..25448, 25660..25812, 26258..26426, 26496..26584, 26689..26755, 28708..28775		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	56	End	37925
GI	none	Score	83
Exons	56..187, 5252..5449, 5255..5521, 5255..5446, 5261..5446, 5264..5443, 5264..5446, 5264..5512, 5270..5449, 5270..5449, 5459..5524, 5531..5632, 5534..5797, 5534..5725, 5552..5848, 5576..5806, 5594..5725, 5807..6037, 5825..6001, 5825..5995, 6038..6118, 6402..6626, 6405..6686, 6405..6701, 6405..6626, 6408..6737, 6414..6596, 6426..6566, 6444..6710, 6537..6710, 6558..6707, 7566..7658, 7867..8019, 8071..8130, 8137..8223, 8650..8745, 8653..8751, 8653..8751, 8653..8748, 8653..8748, 8653..8748, 8653..8751, 10320..10505, 10323..10388, 10326..10598, 10326..10589, 10335..10517, 10368..10595, 10386..10835, 10386..10595, 10566..10778, 10599..10829, 10614..10793, 10617..10787, 10617..10793, 10842..11105, 10917..11486, 10923..11621, 10923..11261, 10923..11066, 10926..11213, 10926..11345, 10926..11348, 10986..11192, 10992..11108, 11040..11333, 11051..11332, 11058..11477, 11088..11348, 11190..11348, 11256..11567, 11325..11621, 11394..11495, 11427..11624, 11472..11624, 11574..11621, 12051..12137, 12144..12212, 12255..12407, 12263..12406, 12458..12499, 12626..12718, 21033..21287, 21036..21137, 21036..21221, 21039..21218, 21039..21224, 21039..21221, 21039..21224, 21039..21167, 21045..21224, 21066..21221, 21231..21287, 21234..21299, 21303..21443, 21303..21488, 21309..21572, 21309..21581, 21351..21581, 21369..21818, 21369..21581, 21525..21770, 21582..21812, 21597..21776, 21597..21737, 21600..21770, 21600..21776, 21813..21890, 21825..22085, 21900..22172, 21903..22601, 21906..22172, 21906..22049, 21933..22241, 22023..22175, 22034..22177, 22173..22607, 22173..22607, 22173..22400, 22176..22466, 22176..22601, 22176..22475, 22182..22373, 22185..22607, 22194..22607, 22194..22550, 22235..22393, 22236..22547, 22251..22451, 22331..22528, 22380..22601, 22398..22580, 22470..22601, 22554..22601, 23019..23117, 23118..23201, 23235..23387, 23592..23684, 36264..36302, 36351..36548,		

36354..36470, 36354..36545, 36354..36605, 36360..36461,
36360..36545, 36360..36545, 36363..36548, 36363..36608,
36393..36551, 36426..36545, 36546..36644, 36555..36626,
36624..36896, 36627..36788, 36630..36905, 36630..36731,
36633..36824, 36633..36905, 36651..36905, 36675..36905,
36945..37097, 36951..37103, 36951..37103, 36951..37103,
37161..37580, 37275..37922, 37281..37448, 37281..37922,
37281..37730, 37281..37523, 37299..37922, 37302..37805,
37302..37664, 37332..37880, 37368..37547, 37368..37922,
37398..37724, 37466..37795, 37494..37799, 37581..37781,
37593..37652, 37622..37858, 37638..37922, 37728..37910,
37800..37925, 37806..37874, 37884..37922

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o6.tm	Method	TBLASTX:Maize
Start	76	End	23936
GI	none	Score	100
Exons	76..219, 76..222, 89..259, 7434..7664, 7528..7665, 7531..7683, 7775..7804, 7783..7806, 7784..7825, 12453..12506, 12565..12756, 12608..12850, 12851..12970, 23573..23719, 23574..23816, 23574..23753, 23817..23936		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	77	End	23933
GI	none	Score	141
Exons	77..259, 263..433, 7317..7439, 7494..7664, 7543..7653, 7838..8017, 7846..7983, 7867..8037, 7875..8009, 8035..8271, 8051..8275, 11895..12032, 12002..12187, 12003..12239, 12191..12415, 12222..12449, 12432..12509, 12607..12783, 12620..12790, 12845..12967, 12874..12957, 22892..22948, 22983..23219, 22983..23147, 23208..23411, 23235..23381, 23573..23749, 23586..23756, 23787..23933, 23838..23903		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	2369	End	18810
GI	none	Score	113
Exons	2369..2482, 6980..7066, 18249..18461, 18538..18810, 18602..18760		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	5255	End	37925
GI	none	Score	67
Exons	5255..5371, 5261..5446, 5261..5449, 5264..5446, 5531..5806, 5534..5800, 5564..5806, 5804..6004, 5807..6001, 5807..6049, 5807..6001, 6041..6124, 6402..6728, 6402..6737, 6402..6728, 6402..6743, 6405..6614, 6426..6743, 6426..6692, 6495..6737, 6509..6625, 8647..8751, 8653..8748, 8653..8748, 10323..10454,		

10326..10592, 10335..10595, 10335..10589, 10398..10589,
10599..10796, 10599..10793, 10599..10793, 10599..10793,
10599..10796, 10617..10802, 10707..10742, 10830..10904,
10923..11546, 10923..11213, 10935..11618, 10998..11621,
11021..11260, 11061..11627, 11087..11338, 11214..11267,
11375..11488, 11381..11623, 11553..11669, 21033..21281,
21036..21221, 21036..21221, 21036..21224, 21039..21221,
21192..21287, 21306..21572, 21309..21575, 21318..21581,
21318..21581, 21390..21581, 21582..21776, 21582..21776,
21582..21776, 21620..21730, 21813..21887, 21903..22172,
21906..22244, 21990..22172, 22169..22246, 22170..22526,
22170..22607, 22170..22601, 22170..22607, 22173..22598,
22185..22607, 22346..22606, 22349..22531, 22506..22649,
36354..36605, 36360..36545, 36360..36548, 36360..36545,
36363..36545, 36606..36635, 36630..36905, 36633..36905,
36633..36899, 36633..36911, 36636..36905, 36945..37103,
36948..37103, 36948..37103, 36948..37103, 37019..37102,
37143..37226, 37143..37229, 37281..37712, 37299..37784,
37299..37925, 37317..37856, 37323..37922, 37373..37513,
37559..37858, 37596..37778, 37610..37876, 37610..37858,
37619..37921, 37676..37909, 37833..37925

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	5264	End	37922
GI	none	Score	121

Exons 5264..5446, 5264..5449, 5534..5806, 5564..5806, 5807..5995,
5906..6001, 6041..6130, 6348..6413, 6381..6737, 6405..6617,
6405..6527, 6414..6728, 8647..8742, 8650..8748, 8653..8751,
8653..8748, 8671..8748, 10326..10595, 10326..10589,
10464..10592, 10587..10793, 10593..10796, 10599..10793,
10617..10793, 10851..10919, 10923..11348, 10935..11603,
11007..11627, 11067..11618, 11139..11621, 11280..11345,
11421..11621, 21039..21224, 21306..21581, 21309..21581,
21317..21523, 21447..21575, 21582..21776, 21609..21776,
21918..22172, 21918..22151, 21918..22172, 22050..22178,
22140..22601, 22170..22583, 22170..22607, 22176..22607,
22176..22598, 22335..22607, 36336..36524, 36363..36548,
36435..36545, 36633..36905, 36642..36905, 36948..37103,
37281..37913, 37314..37922, 37476..37511, 37610..37786,
37619..37921, 37665..37922, 37806..37922, 37847..37921

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	5291	End	37805
GI	none	Score	82

Exons 5291..5434, 5441..5521, 5786..6166, 10566..10961, 10989..11177,
11052..11138, 11058..11225, 11166..11288, 11310..11351,
11427..11600, 21066..21209, 21216..21287, 21288..21353,
21303..21479, 21306..21437, 21449..21484, 21471..21581,
21525..21947, 21590..21946, 21972..22166, 22170..22250,
22290..22331, 22356..22478, 22407..22580, 36615..36677,
36948..37229, 36962..37228, 37299..37484, 37362..37448,

37368..37529, 37476..37649, 37686..37805

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	7867	End	23468
GI	none	Score	77
Exons	7867..8031, 7876..8025, 8065..8238, 12035..12199, 12036..12203, 12243..12446, 12251..12301, 12297..12398, 23013..23183, 23015..23179, 23223..23408, 23232..23399, 23424..23468		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	18655	End	19035
GI	none	Score	223
Exons	18655..19035		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o7.tm	Method	TBLASTX:Maize
Start	18928	End	19254
GI	none	Score	99
Exons	18928..19035, 19040..19225, 19042..19254		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	19227	End	19637
GI	none	Score	140
Exons	19227..19340, 19341..19637, 19342..19635		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	19270	End	19964
GI	none	Score	96
Exons	19270..19530, 19278..19964, 19591..19734, 19810..19908		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o5.tm	Method	TBLASTX:Maize
Start	20175	End	20468
GI	none	Score	101
Exons	20175..20468, 20179..20466		

Seq. No.	25766	Seq. ID	OJ990804_13.9C03.C5
Gene No.	53527	Strand	-
Start	31439	End	37925
Name	OJ990804_13.9C03.C5.o9.gs	Method	GENSCAN
Start	31439	End	35319

GI	none	Score	.67
Exons	31439..31540, 31762..31946, 32038..32149, 33608..33866, 33897..34437, 35238..35319		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53528	Strand	+
Start	1	End	1063
Name	OJ990804_13.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	1063
GI	6522590	Score	627
Exons	1..597, 702..1063		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53528	Strand	+
Start	1	End	1063
Name	OJ990804_13.9C03.C6.o1.gs	Method	GENSCAN
Start	131	End	1051
GI	none	Score	.98
Exons	131..597, 655..1051		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53529	Strand	+
Start	2289	End	2507
Name	OJ990804_13.9C03.C6.o2.gs	Method	GENSCAN
Start	2289	End	2507
GI	none	Score	.88
Exons	2289..2507		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53530	Strand	+
Start	6193	End	9352
Name	OJ990804_13.9C03.C6.o3.gs	Method	GENSCAN
Start	6193	End	9340
GI	none	Score	.45
Exons	6193..8866, 8970..9340		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53530	Strand	+
Start	6193	End	9352
Name	OJ990804_13.9C03.C6.o2.np	Method	AAT/NAP
Start	6217	End	9352
GI	6522540	Score	1658
Exons	6217..8866, 9036..9178, 9208..9352		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53531	Strand	+
Start	10693	End	12844
Name	OJ990804_13.9C03.C6.o4.gs	Method	GENSCAN
Start	10693	End	12844
GI	none	Score	.77
Exons	10693..11045, 11156..11253, 11360..11579, 11657..11811, 11899..12109, 12730..12844		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53532	Strand	+

Start	16972	End	18572
Name	OJ990804_13.9C03.C6.o6.gs	Method	GENSCAN
Start	16972	End	17541
GI	none	Score	.78
Exons	16972..17276, 17364..17541		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53532	Strand	+
Start	16972	End	18572
Name	OJ990804_13.9C03.C6.o3.np	Method	AAT/NAP
Start	16973	End	18572
GI	6539588	Score	205
Exons	16973..17239, 18541..18572		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53533	Strand	+
Start	22786	End	24061
Name	OJ990804_13.9C03.C6.o8.gs	Method	GENSCAN
Start	22786	End	24061
GI	none	Score	.58
Exons	22786..22823, 23224..23384, 23946..24061		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53534	Strand	+
Start	26199	End	29850
Name	OJ990804_13.9C03.C6.o10.gs	Method	GENSCAN
Start	26199	End	29214
GI	none	Score	.69
Exons	26199..26384, 28142..28289, 28403..28583, 29052..29214		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53534	Strand	+
Start	26199	End	29850
Name	OJ990804_13.9C03.C6.o4.np	Method	AAT/NAP
Start	28393	End	29850
GI	4680186	Score	312
Exons	28393..28551, 29054..29214, 29787..29850		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53535	Strand	-
Start	15229	End	16439
Name	OJ990804_13.9C03.C6.o5.gs	Method	GENSCAN
Start	15229	End	16439
GI	none	Score	.44
Exons	15229..15386, 16382..16439		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	11496
GI	none	Score	215
Exons	2..286, 13..285, 335..511, 335..523, 700..885, 701..895, 924..992, 925..999, 8359..8604, 8367..8561, 8629..8781, 8647..8793, 8968..9102, 8969..9154, 9176..9328, 11361..11492,		

11362..11496

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	85	End	8544
GI	none	Score	200
Exons	85..252, 86..277, 8269..8544, 8274..8528		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	134	End	8859
GI	none	Score	165
Exons	134..301, 347..580, 347..502, 8410..8577, 8617..8859, 8706..8858		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	362	End	11457
GI	none	Score	115
Exons	362..511, 701..799, 6370..6393, 6412..6606, 6415..6606, 6415..6675, 6421..6942, 6421..6606, 6424..6618, 6445..6603, 6445..6609, 6553..6744, 6577..6882, 6604..6942, 6607..6942, 6613..6942, 6637..6942, 6709..6942, 6781..6942, 7012..7215, 7012..7209, 7198..7278, 7204..7296, 7222..7284, 7285..7872, 7288..7491, 7294..7491, 7297..7848, 7303..7920, 7320..7634, 7362..7562, 7381..7944, 7543..7995, 7552..7998, 7552..8043, 7552..7995, 7552..7998, 7552..8046, 7597..7992, 7597..7995, 7675..7998, 7690..8013, 7729..7995, 7741..7995, 7801..7995, 7855..7929, 7885..8001, 7927..8058, 8632..8781, 8842..8865, 8969..9067, 11362..11457		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	700	End	11520
GI	none	Score	96
Exons	700..849, 700..849, 701..940, 8968..9135, 8968..9141, 8969..9328, 9005..9157, 11358..11507, 11361..11519, 11362..11517, 11362..11520		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	6415	End	8001
GI	none	Score	136
Exons	6415..6678, 6424..6606, 6424..6609, 6436..6606, 6577..6882, 6604..6942, 6607..6942, 6724..6942, 7012..7167, 7012..7215, 7012..7167, 7012..7176, 7015..7215, 7204..7278, 7288..7491, 7297..7848, 7303..7920, 7335..7562, 7380..7637, 7395..7778, 7552..7998, 7552..7995, 7552..7995, 7552..8001, 7579..7995,		

7825..7995

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	6427	End	8001
GI	none	Score	87
Exons	6427..6603, 6436..6609, 6574..6945, 6604..6942, 6637..6945, 7012..7176, 7015..7209, 7060..7167, 7216..7284, 7225..7320, 7270..7491, 7288..7491, 7303..7830, 7381..7995, 7543..7977, 7675..7998, 7729..7995, 7885..8001		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	6451	End	7995
GI	none	Score	91
Exons	6451..6606, 7012..7128, 7012..7140, 7120..7491, 7146..7364, 7530..7733, 7552..7761, 7657..7878, 7801..7995		

Seq. No.	25767	Seq. ID	OJ990804_13.9C03.C6
Gene No.	53536	Strand	-
Start	25577	End	25828
Name	OJ990804_13.9C03.C6.o9.gs	Method	GENSCAN
Start	25577	End	25828
GI	none	Score	.65
Exons	25577..25828		

Seq. No.	25768	Seq. ID	OJ990804_13.9C03.C8
Gene No.	53537	Strand	+
Start	1	End	1335
Name	OJ990804_13.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	1335
GI	2760331	Score	415
Exons	1..302, 360..909, 991..1335		
GI Descrip.	(AC002130) F1N21.16 [Arabidopsis thaliana]		

Seq. No.	25768	Seq. ID	OJ990804_13.9C03.C8
Gene No.	53537	Strand	+
Start	1	End	1335
Name	OJ990804_13.9C03.C8.o1.gs	Method	GENSCAN
Start	40	End	1291
GI	none	Score	.62
Exons	40..392, 1085..1291		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53538	Strand	+
Start	1179	End	1332
Name	OJ990804_13.9C03.C9.o1.gs	Method	GENSCAN
Start	1179	End	1332
GI	none	Score	.49
Exons	1179..1332		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53539	Strand	+

Start	15420	End	20919
Name	OJ990804_13.9C03.C9.o5.gs	Method	GENSCAN
Start	15420	End	20919
GI	none	Score	.89
Exons	15420..15705, 15947..16143, 17281..18763, 18938..19251, 19350..19500, 20088..20500, 20539..20919		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o2.np	Method	AAT/NAP
Start	1	End	21441
GI	3157926	Score	244
Exons	1..49, 7477..7838, 8361..8609, 8889..9194, 19982..20072, 21365..21441		
GI Descrip.	(AC002131) Strong similarity to extensin-like protein gb|Z34465 from Zea mays. [Arabidopsis thaliana]		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o3.gs	Method	GENSCAN
Start	6067	End	9299
GI	none	Score	.9
Exons	6067..6476, 6626..9299		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o1.np	Method	AAT/NAP
Start	6082	End	9293
GI	2130082	Score	1709
Exons	6082..6464, 6617..9293		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o4.tm	Method	TBLASTX:Maize
Start	6100	End	6463
GI	none	Score	77
Exons	6100..6261, 6283..6462, 6301..6438, 6326..6463		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	6289	End	7223
GI	none	Score	115
Exons	6289..6462, 6690..6845, 6709..6861, 6711..6896, 6879..7115, 6891..7073, 6925..7116, 7065..7223, 7087..7206		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9

Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	6364	End	9164
GI	none	Score	81
Exons	6364..6456, 6619..6642, 6708..6863, 6981..7067, 7494..8003, 7497..7649, 7500..8204, 7500..7796, 7500..7631, 7500..7529, 7500..8060, 7566..7703, 7569..8204, 7572..8195, 7572..7619, 7572..7865, 7584..7775, 7635..7937, 7642..7893, 7656..7850, 7701..8195, 7707..8033, 7728..7907, 7767..8198, 7779..8081, 7843..7872, 7908..8291, 7933..8082, 8007..8126, 8208..8291, 8286..8507, 8286..8507, 8292..8507, 8304..8480, 8328..8507, 8331..8504, 8520..8792, 8520..8801, 8523..8798, 8523..8735, 8532..8786, 8670..8792, 8697..8801, 8772..8879, 8805..9074, 8811..8873, 8880..9065, 8880..9002, 8880..9065, 8883..9074, 8883..9068, 8883..8963, 8883..9059, 8937..9065, 8953..8973, 8958..9164, 8967..9068		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	6618	End	7082
GI	none	Score	85
Exons	6618..6875, 6721..6795, 6723..6881, 6915..7082		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	7422	End	9209
GI	none	Score	81
Exons	7422..7943, 7437..8162, 7500..7880, 7500..7832, 7506..8171, 7641..8201, 8286..8468, 8520..8780, 8520..8621, 8523..8702, 8883..9077, 8883..9050, 9084..9209		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	7494	End	9065
GI	none	Score	77
Exons	7494..8114, 7500..7847, 7503..8063, 7518..8225, 7933..8166, 8286..8489, 8334..8489, 8511..8807, 8517..8642, 8520..8789, 8532..8786, 8625..8780, 8880..9065, 8883..9065, 8883..9065		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	7572	End	9038
GI	none	Score	110
Exons	7572..7694, 7575..7625, 7620..7742, 7800..7991, 7881..8099, 7944..8135, 7971..8051, 8019..8270, 8151..8579, 8218..8550, 8460..8627, 8781..8888, 8895..9038		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9

Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o4.gs	Method	GENSCAN
Start	9947	End	14360
GI	none	Score	.48
Exons	9947..10104, 13161..13436, 13487..13587, 13928..14099, 14270..14360		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o5.tm	Method	TBLASTX:Maize
Start	19380	End	20278
GI	none	Score	150
Exons	19380..19499, 19380..19499, 20087..20278, 20096..20263, 20116..20268		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o3.ts	Method	TBLASTX:Soybean
Start	20222	End	20719
GI	none	Score	52
Exons	20222..20251, 20372..20500, 20609..20719, 20626..20718		

Seq. No.	25769	Seq. ID	OJ990804_13.9C03.C9
Gene No.	53540	Strand	-
Start	1	End	21441
Name	OJ990804_13.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	20315	End	20885
GI	none	Score	41
Exons	20315..20344, 20318..20353, 20354..20506, 20371..20505, 20621..20704, 20624..20740, 20626..20730, 20796..20828, 20820..20885		

Seq. No.	25770	Seq. ID	OJ990804_13.9C03.C10
Gene No.	53541	Strand	-
Start	1761	End	2035
Name	OJ990804_13.9C03.C10.o2.gs	Method	GENSCAN
Start	1761	End	2035
GI	none	Score	.64
Exons	1761..1794, 1989..2035		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53542	Strand	+
Start	960	End	6989
Name	OJ990804_13.9C03.C11.o1.gs	Method	GENSCAN
Start	960	End	6953
GI	none	Score	.96
Exons	960..995, 1137..1227, 2821..2919, 2985..3683, 4641..4784, 4871..5023, 5134..5249, 5807..5974, 6224..6448, 6535..6637, 6949..6953		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53542	Strand	+
Start	960	End	6989
Name	OJ990804_13.9C03.C11.o1.np	Method	AAT/NAP

Start	1861	End	2084
GI	2130158	Score	142
Exons	1861..2084		
GI Descrip.	hypothetical protein 75 - maize chloroplast gi|902262|emb|CAA60327| (X86563) ORF75 [Zea mays] gi|902309|emb|CAA60373| (X86563) ORF75 [Zea mays]		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53542	Strand	+
Start	960	End	6989
Name	OJ990804_13.9C03.C11.o2.gp	Method	AAT/GAP
Start	2378	End	3108
GI	none	Score	1238
Exons	2378..2919, 3010..3108		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53542	Strand	+
Start	960	End	6989
Name	OJ990804_13.9C03.C11.o2.np	Method	AAT/NAP
Start	3119	End	6680
GI	116054	Score	1812
Exons	3119..3683, 4641..4784, 4871..5023, 5134..5249, 5807..5974, 6224..6448, 6535..6680		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE SK5 (CDPK) gi|280393|pir||A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean gi|169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53542	Strand	+
Start	960	End	6989
Name	OJ990804_13.9C03.C11.o3.gp	Method	AAT/GAP
Start	5202	End	6989
GI	15651_1.R1084	Score	1656
Exons	5202..5249, 5807..5974, 6224..6448, 6535..6989		
GI Descrip.	'116054/sp|P28583|CDPK_SOYBN 4.0e-72 CALCIUM-DEPENDENT PROTEIN KINASE SK5 (CDPK) >gi_280393_pir__A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean >gi_169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]'		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53543	Strand	+
Start	8328	End	13629
Name	OJ990804_13.9C03.C11.o3.gs	Method	GENSCAN
Start	8328	End	13385
GI	none	Score	.77
Exons	8328..8984, 9020..9191, 10289..10465, 10733..10893, 11525..11794, 11971..12080, 12185..12275, 12377..12646, 12920..12941, 12985..13385		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53543	Strand	+
Start	8328	End	13629
Name	OJ990804_13.9C03.C11.o4.gp	Method	AAT/GAP
Start	10672	End	13629
GI	783_2.R1084	Score	3060

Exons	10672..10893, 11525..11794, 11971..12080, 12185..12275, 12377..12646, 12985..13629		
GI Descrip.	'3913018/sp|Q40677|ALFC_ORYSA 0.0e+00 FRUCTOSE-BISPHOSPHATE ALDOLASE, CHLOROPLAST PRECURSOR (ALDP) >gi_218155_dbj_BAA02730_ (D13513) chloroplastic aldolase [Oryza sativa]'		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53543	Strand	+
Start	8328	End	13629
Name	OJ990804_13.9C03.C11.o3.np	Method	AAT/NAP
Start	10747	End	13260
GI	3913018	Score	1827
Exons	10747..10893, 11525..11794, 11971..12080, 12185..12275, 12377..12646, 12985..13260		
GI Descrip.	FRUCTOSE-BISPHOSPHATE ALDOLASE, CHLOROPLAST PRECURSOR (ALDP) gi|218155|dbj|BAA02730| (D13513) chloroplastic aldolase [Oryza sativa]		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53544	Strand	+
Start	24700	End	27014
Name	OJ990804_13.9C03.C11.o6.gs	Method	GENSCAN
Start	24700	End	26999
GI	none	Score	.72
Exons	24700..26310, 26562..26999		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53544	Strand	+
Start	24700	End	27014
Name	OJ990804_13.9C03.C11.o5.np	Method	AAT/NAP
Start	25226	End	27014
GI	4680339	Score	77
Exons	25226..25316, 26720..27014		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53545	Strand	-
Start	73	End	264
Name	OJ990804_13.9C03.C11.o1.gp	Method	AAT/GAP
Start	73	End	264
GI	15870_2.R1084	Score	275
Exons	73..264		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53546	Strand	-
Start	7587	End	8225
Name	OJ990804_13.9C03.C11.o2.gs	Method	GENSCAN
Start	7587	End	8225
GI	none	Score	.58
Exons	7587..8225		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o1.tc	Method	TBLASTX:Cress

Start	3179	End	6618
GI	none	Score	731
Exons	3179..3685, 3181..3702, 4625..4783, 4639..4800, 4663..4785, 4860..5021, 4867..5025, 4867..5028, 5135..5242, 5136..5252, 5801..5974, 5858..5974, 6223..6372, 6224..6448, 6224..6475, 6535..6618		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	3181	End	6606
GI	none	Score	714
Exons	3181..3702, 3182..3685, 4625..4783, 4639..4782, 4648..4785, 4863..5018, 4867..5022, 4870..5028, 4889..5029, 5136..5252, 5138..5242, 5140..5247, 5801..5974, 5801..5968, 6223..6381, 6224..6448, 6227..6448, 6532..6606, 6535..6591		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	3182	End	19533
GI	none	Score	593
Exons	3182..3685, 3196..3684, 4625..4783, 4627..4782, 4860..5021, 4867..5022, 5112..5252, 5138..5242, 5801..5992, 19174..19242, 19334..19390, 19480..19533		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	3347	End	3634
GI	none	Score	379
Exons	3347..3634, 3353..3589, 3364..3633		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o5.tw	Method	TBLASTX:Wheat
Start	3635	End	5022
GI	none	Score	74
Exons	3635..3685, 3637..3684, 3642..3686, 4625..4783, 4639..4809, 4846..5022, 4863..5021		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	5885	End	6591
GI	none	Score	82
Exons	5885..5974, 6221..6271, 6223..6384, 6224..6448, 6225..6425, 6227..6478, 6535..6591		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038

Name	OJ990804_13.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	6223	End	6718
GI	none	Score	356
Exons	6223..6384, 6224..6448, 6225..6449, 6532..6699, 6535..6699, 6542..6712, 6542..6718		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o3.tc	Method	TBLASTX:Cress
Start	8342	End	8735
GI	none	Score	238
Exons	8342..8554, 8346..8579, 8577..8732, 8604..8735		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o5.tm	Method	TBLASTX:Maize
Start	8731	End	9116
GI	none	Score	230
Exons	8731..8904, 8732..8926, 8733..8903, 8916..8990, 8923..8991, 9030..9098, 9069..9116		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	10744	End	13263
GI	none	Score	216
Exons	10744..10893, 10746..10892, 10747..10896, 11524..11793, 11525..11794, 11546..11794, 11968..12081, 11970..12098, 11970..12080, 12174..12269, 12185..12271, 12186..12275, 12376..12645, 12377..12646, 12979..13263, 12984..13133, 13087..13263		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	10744	End	13263
GI	none	Score	54
Exons	10744..10800, 10843..10893, 11525..11794, 11527..11793, 11549..11794, 11968..12081, 11970..12080, 12174..12275, 12185..12277, 12186..12275, 12373..12645, 12374..12646, 12376..12636, 12377..12646, 12979..13263, 12984..13136		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	11524	End	11776
GI	none	Score	344
Exons	11524..11775, 11525..11776		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038

Name	OJ990804_13.9C03.C11.o2.tc	Method	TBLASTX:Cress
Start	11525	End	13269
GI	none	Score	418
Exons	11525..11794, 11527..11793, 11543..11794, 11563..11808, 11961..12080, 11968..12081, 11970..12080, 12185..12271, 12186..12275, 12376..12657, 12377..12646, 12987..13004, 13005..13121, 13006..13122, 13126..13197, 13153..13191, 13201..13269		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	11968	End	13218
GI	none	Score	180
Exons	11968..12081, 11970..12080, 12185..12277, 12186..12275, 12373..12636, 12375..12563, 12377..12637, 12625..12645, 12626..12646, 12979..13218, 12984..13130, 13153..13191		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o7.tm	Method	TBLASTX:Maize
Start	15173	End	15588
GI	none	Score	123
Exons	15173..15346, 15350..15484, 15381..15494, 15502..15588		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o4.np	Method	AAT/NAP
Start	17010	End	18565
GI	4680339	Score	219
Exons	17010..17399, 18503..18565		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o6.tm	Method	TBLASTX:Maize
Start	17088	End	27038
GI	none	Score	47
Exons	17088..17219, 26433..26483, 26505..26648, 26792..26962, 26793..27038		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o4.gs	Method	GENSCAN
Start	17404	End	18171
GI	none	Score	.46
Exons	17404..17895, 18166..18171		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o5.gs	Method	GENSCAN

Start	18393	End	19838
GI	none	Score	.97
Exons	18393..19838		

Seq. No.	25771	Seq. ID	OJ990804_13.9C03.C11
Gene No.	53547	Strand	-
Start	17404	End	27038
Name	OJ990804_13.9C03.C11.o4.tm	Method	TBLASTX:Maize
Start	18576	End	25989
GI	none	Score	61
Exons	18576..18695, 18588..18653, 18772..18918, 18825..18917, 25635..25757, 25636..25737, 25663..25788, 25741..25989, 25783..25989		

Seq. No.	25772	Seq. ID	OJ990804_13.9C03.C12
Gene No.	53548	Strand	-
Start	324	End	537
Name	OJ990804_13.9C03.C12.o1.gs	Method	GENSCAN
Start	324	End	537
GI	none	Score	.67
Exons	324..537		

Seq. No.	25773	Seq. ID	OJ990804_13.9C03.C14
Gene No.	53549	Strand	+
Start	1	End	399
Name	OJ990804_13.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	399
GI	5103193	Score	648
Exons	1..399		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	25773	Seq. ID	OJ990804_13.9C03.C14
Gene No.	53550	Strand	-
Start	71	End	240
Name	OJ990804_13.9C03.C14.o1.gs	Method	GENSCAN
Start	71	End	240
GI	none	Score	.85
Exons	71..86, 153..240		

Seq. No.	25774	Seq. ID	OJ990804_13.9C03.C16
Gene No.	53551	Strand	+
Start	397	End	673
Name	OJ990804_13.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	235	End	561
GI	none	Score	176
Exons	235..447, 264..449, 454..561		

Seq. No.	25774	Seq. ID	OJ990804_13.9C03.C16
Gene No.	53551	Strand	+
Start	397	End	673
Name	OJ990804_13.9C03.C16.o1.gs	Method	GENSCAN
Start	397	End	673
GI	none	Score	.73
Exons	397..673		

Seq. No.	25775	Seq. ID	OJ990804_13.9C03.C18
Gene No.	53552	Strand	-
Start	279	End	628
Name	OJ990804_13.9C03.C18.o1.gs	Method	GENSCAN
Start	279	End	628
GI	none	Score	.69
Exons	279..305, 464..628		

Seq. No.	25776	Seq. ID	OJ990804_13.9C03.C19
Gene No.	53553	Strand	-
Start	17	End	510
Name	OJ990804_13.9C03.C19.o1.gs	Method	GENSCAN
Start	17	End	510
GI	none	Score	.52
Exons	17..224, 393..510		

Seq. No.	25777	Seq. ID	OJ990504_07.9C27.C1
Gene No.	53554	Strand	-
Start	18	End	413
Name	OJ990504_07.9C27.C1.o1.gp	Method	AAT/GAP
Start	18	End	413
GI	4881046	Score	628
Exons	18..413		

Seq. No.	25778	Seq. ID	OJ990504_07.9C27.C4
Gene No.	53555	Strand	-
Start	1	End	91
Name	OJ990504_07.9C27.C4.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	4881046	Score	142
Exons	1..91		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53556	Strand	+
Start	1180	End	5153
Name	OJ990504_07.9C27.C5.o1.gs	Method	GENSCAN
Start	1180	End	5153
GI	none	Score	.49
Exons	1180..1350, 2000..2039, 2736..3620, 3788..4738, 5146..5153		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53556	Strand	+
Start	1180	End	5153
Name	OJ990504_07.9C27.C5.o1.np	Method	AAT/NAP
Start	2732	End	4749
GI	5903099	Score	1203
Exons	2732..4749		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o2.tw	Method	TBLASTX:Wheat
Start	1174	End	1350
GI	none	Score	183
Exons	1174..1350, 1198..1350		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o5.tm	Method	TBLASTX:Maize
Start	1174	End	1350
GI	none	Score	196
Exons	1174..1350, 1198..1341		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o3.tc	Method	TBLASTX:Cress
Start	1174	End	1359
GI	none	Score	203
Exons	1174..1359, 1195..1350		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o5.ts	Method	TBLASTX:Soybean
Start	1180	End	1371
GI	none	Score	211
Exons	1180..1371, 1198..1344		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o3.tm	Method	TBLASTX:Maize
Start	2780	End	3843
GI	none	Score	85
Exons	2780..2887, 3194..3607, 3218..3466, 3476..3805, 3519..3563, 3591..3671, 3653..3802, 3778..3843, 3792..3842		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o4.ts	Method	TBLASTX:Soybean
Start	3359	End	3748
GI	none	Score	176
Exons	3359..3550, 3367..3462, 3464..3580, 3484..3519, 3581..3748		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o1.ts	Method	TBLASTX:Soybean
Start	3804	End	4269
GI	none	Score	420
Exons	3804..4001, 3805..4269, 4086..4268		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o1.tm	Method	TBLASTX:Maize
Start	3846	End	4844
GI	none	Score	94
Exons	3846..4112, 3846..4310, 3847..4338, 4171..4338, 4381..4650, 4395..4625, 4477..4647, 4508..4648, 4699..4746, 4812..4844		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o6.ts	Method	TBLASTX:Soybean
Start	4480	End	4740
GI	none	Score	196
Exons	4480..4647, 4699..4740		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o2.gs	Method	GENSCAN
Start	6080	End	7618
GI	none	Score	.66
Exons	6080..6142, 6656..7618		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o1.tc	Method	TBLASTX:Cress
Start	6629	End	7187
GI	none	Score	114
Exons	6629..7186, 6632..6889, 6888..7187		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o3.ts	Method	TBLASTX:Soybean
Start	6629	End	6922
GI	none	Score	114
Exons	6629..6922, 6630..6809, 6632..6877		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o4.tm	Method	TBLASTX:Maize
Start	6629	End	6895
GI	none	Score	95
Exons	6629..6895, 6630..6791		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o2.np	Method	AAT/NAP
Start	6632	End	7719
GI	3582328	Score	864
Exons	6632..7719		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o2.tm	Method	TBLASTX:Maize
Start	6899	End	7714
GI	none	Score	72
Exons	6899..7702, 6936..7148, 7185..7694, 7367..7696, 7439..7714		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o2.ts	Method	TBLASTX:Soybean
Start	6932	End	7462
GI	none	Score	87
Exons	6932..7462, 6954..7118, 7146..7418, 7256..7420		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o2.tc	Method	TBLASTX:Cress
Start	7211	End	7594
GI	none	Score	139
Exons	7211..7594, 7248..7421, 7259..7450		

Seq. No.	25779	Seq. ID	OJ990504_07.9C27.C5
Gene No.	53557	Strand	-
Start	6080	End	7719
Name	OJ990504_07.9C27.C5.o1.tw	Method	TBLASTX:Wheat
Start	7325	End	7711
GI	none	Score	89
Exons	7325..7711, 7326..7421		

Seq. No.	25780	Seq. ID	OJ990504_07.9C27.C6
Gene No.	53558	Strand	+
Start	2399	End	4477
Name	OJ990504_07.9C27.C6.o2.gs	Method	GENSCAN
Start	2399	End	4477
GI	none	Score	.73
Exons	2399..2444, 2800..2947, 3079..3166, 3843..3937, 4026..4098, 4227..4319, 4364..4477		

Seq. No.	25780	Seq. ID	OJ990504_07.9C27.C6
Gene No.	53559	Strand	-
Start	372	End	1556
Name	OJ990504_07.9C27.C6.o1.gs	Method	GENSCAN
Start	372	End	1556
GI	none	Score	.62
Exons	372..1556		

Seq. No.	25780	Seq. ID	OJ990504_07.9C27.C6
Gene No.	53560	Strand	-
Start	5920	End	6100
Name	OJ990504_07.9C27.C6.o1.gp	Method	AAT/GAP
Start	5920	End	6100
GI	none	Score	256
Exons	5920..6100		

Seq. No.	25780	Seq. ID	OJ990504_07.9C27.C6
Gene No.	53561	Strand	-
Start	9010	End	9410
Name	OJ990504_07.9C27.C6.o2.gp	Method	AAT/GAP
Start	8994	End	9410
GI	5039025	Score	804
Exons	8994..9410		

Seq. No.	25780	Seq. ID	OJ990504_07.9C27.C6
Gene No.	53561	Strand	-
Start	9010	End	9410
Name	OJ990504_07.9C27.C6.o3.gs	Method	GENSCAN
Start	9010	End	9404
GI	none	Score	.45
Exons	9010..9404		

Seq. No.	25781	Seq. ID	OJ990504_07.9C27.C8
Gene No.	53562	Strand	+
Start	1	End	1268
Name	OJ990504_07.9C27.C8.o1.np	Method	AAT/NAP
Start	1	End	1268
GI	4680207	Score	152
Exons	1..562, 1232..1268		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	25781	Seq. ID	OJ990504_07.9C27.C8
Gene No.	53562	Strand	+
Start	1	End	1268
Name	OJ990504_07.9C27.C8.o1.gs	Method	GENSCAN
Start	28	End	602
GI	none	Score	.93
Exons	28..152, 188..602		

Seq. No.	25781	Seq. ID	OJ990504_07.9C27.C8
Gene No.	53562	Strand	+
Start	1	End	1268
Name	OJ990504_07.9C27.C8.o1.tm	Method	TBLASTX:Maize
Start	225	End	485
GI	none	Score	81
Exons	225..359, 294..485, 294..452, 323..484		

Seq. No.	25782	Seq. ID	OJ990504_07.9C27.C11
Gene No.	53563	Strand	+
Start	117	End	487
Name	OJ990504_07.9C27.C11.o1.gs	Method	GENSCAN
Start	117	End	487
GI	none	Score	.73
Exons	117..191, 398..487		

Seq. No.	25783	Seq. ID	OJ990504_07.9C27.C13
Gene No.	53564	Strand	+
Start	1	End	704
Name	OJ990504_07.9C27.C13.o1.np	Method	AAT/NAP
Start	1	End	704
GI	5257262	Score	266
Exons	1..61, 266..704		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	25783	Seq. ID	OJ990504_07.9C27.C13
Gene No.	53564	Strand	+
Start	1	End	704
Name	OJ990504_07.9C27.C13.o1.gs	Method	GENSCAN
Start	266	End	504

GI	none	Score	.4
Exons	266..504		

Seq. No.	25783	Seq. ID	OJ990504_07.9C27.C13
Gene No.	53564	Strand	+
Start	1	End	704
Name	OJ990504_07.9C27.C13.o1.tw	Method	TBLASTX:Wheat
Start	418	End	652
GI	none	Score	100
Exons	418..498, 420..494, 529..651, 596..652		

Seq. No.	25784	Seq. ID	OJ990504_07.9C27.C14
Gene No.	53565	Strand	-
Start	391	End	530
Name	OJ990504_07.9C27.C14.o1.gs	Method	GENSCAN
Start	391	End	530
GI	none	Score	.77
Exons	391..530		

Seq. No.	25785	Seq. ID	OJ990504_07.9C27.C15
Gene No.	53566	Strand	+
Start	60	End	605
Name	OJ990504_07.9C27.C15.o1.gs	Method	GENSCAN
Start	60	End	605
GI	none	Score	.67
Exons	60..211, 427..605		

Seq. No.	25785	Seq. ID	OJ990504_07.9C27.C15
Gene No.	53567	Strand	-
Start	245	End	578
Name	OJ990504_07.9C27.C15.o1.gp	Method	AAT/GAP
Start	245	End	578
GI	5455584	Score	573
Exons	245..578		
GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	25786	Seq. ID	OJ990504_07.9C27.C16
Gene No.	53568	Strand	-
Start	1	End	635
Name	OJ990504_07.9C27.C16.o1.np	Method	AAT/NAP
Start	1	End	597
GI	6630556	Score	103
Exons	1..78, 176..238, 418..597		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25786	Seq. ID	OJ990504_07.9C27.C16
Gene No.	53568	Strand	-
Start	1	End	635
Name	OJ990504_07.9C27.C16.o1.gs	Method	GENSCAN
Start	119	End	600
GI	none	Score	.67
Exons	119..238, 418..600		

Seq. No.	25786	Seq. ID	OJ990504_07.9C27.C16
Gene No.	53568	Strand	-

Start	1	End	635
Name	OJ990504_07.9C27.C16.o1.gp	Method	AAT/GAP
Start	182	End	635
GI	31091_1.R1084	Score	485
Exons	182..238, 418..635		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25787	Seq. ID	OJ990504_07.9C27.C18
Gene No.	53569	Strand	-
Start	77	End	124
Name	OJ990504_07.9C27.C18.o1.gs	Method	GENSCAN
Start	77	End	124
GI	none	Score	.5
Exons	77..124		

Seq. No.	25788	Seq. ID	OJ990504_07.9C27.C19
Gene No.	53570	Strand	-
Start	347	End	616
Name	OJ990504_07.9C27.C19.o1.gs	Method	GENSCAN
Start	347	End	616
GI	none	Score	.65
Exons	347..490, 521..616		

Seq. No.	25789	Seq. ID	OJ990504_07.9C27.C21
Gene No.	53571	Strand	+
Start	549	End	1333
Name	OJ990504_07.9C27.C21.o1.tm	Method	TBLASTX:Maize
Start	520	End	1239
GI	none	Score	92
Exons	520..606, 546..608, 547..606, 558..608, 691..888, 692..889, 693..890, 695..892, 1087..1239, 1095..1238		

Seq. No.	25789	Seq. ID	OJ990504_07.9C27.C21
Gene No.	53571	Strand	+
Start	549	End	1333
Name	OJ990504_07.9C27.C21.o1.tw	Method	TBLASTX:Wheat
Start	544	End	890
GI	none	Score	92
Exons	544..606, 547..606, 680..886, 692..886, 693..890, 696..887		

Seq. No.	25789	Seq. ID	OJ990504_07.9C27.C21
Gene No.	53571	Strand	+
Start	549	End	1333
Name	OJ990504_07.9C27.C21.o1.tc	Method	TBLASTX:Cress
Start	546	End	1236
GI	none	Score	85
Exons	546..599, 547..603, 550..603, 696..893, 696..761, 698..784, 1171..1236		

Seq. No.	25789	Seq. ID	OJ990504_07.9C27.C21
Gene No.	53571	Strand	+
Start	549	End	1333
Name	OJ990504_07.9C27.C21.o1.ts	Method	TBLASTX:Soybean
Start	546	End	1239
GI	none	Score	90
Exons	546..599, 547..603, 689..784, 692..856, 696..869, 1087..1149,		

1095..1145, 1171..1239

Seq. No.	25789	Seq. ID	OJ990504_07.9C27.C21
Gene No.	53571	Strand	+
Start	549	End	1333
Name	OJ990504_07.9C27.C21.o1.gs	Method	GENSCAN
Start	549	End	1236
GI	none	Score	.89
Exons	549..605, 695..887, 1093..1236		

Seq. No.	25789	Seq. ID	OJ990504_07.9C27.C21
Gene No.	53571	Strand	+
Start	549	End	1333
Name	OJ990504_07.9C27.C21.o1.np	Method	AAT/NAP
Start	549	End	1333
GI	5107819	Score	204
Exons	549..605, 695..887, 1093..1333		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	25790	Seq. ID	OJ990504_07.9C27.C22
Gene No.	53572	Strand	+
Start	60	End	205
Name	OJ990504_07.9C27.C22.o1.gp	Method	AAT/GAP
Start	60	End	205
GI	2797626	Score	275
Exons	60..205		

Seq. No.	25790	Seq. ID	OJ990504_07.9C27.C22
Gene No.	53573	Strand	-
Start	1548	End	2045
Name	OJ990504_07.9C27.C22.o1.gs	Method	GENSCAN
Start	1548	End	2045
GI	none	Score	.99
Exons	1548..2045		

Seq. No.	25791	Seq. ID	OJ990504_07.9C27.C23
Gene No.	53574	Strand	+
Start	55	End	927
Name	OJ990504_07.9C27.C23.o1.gp	Method	AAT/GAP
Start	55	End	927
GI	5455584	Score	1202
Exons	55..136, 241..498, 594..927		
GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	25791	Seq. ID	OJ990504_07.9C27.C23
Gene No.	53575	Strand	-
Start	567	End	1112
Name	OJ990504_07.9C27.C23.o1.gs	Method	GENSCAN
Start	567	End	1112
GI	none	Score	.64
Exons	567..745, 961..1112		

Seq. No.	25792	Seq. ID	OJ990504_07.9C27.C25
Gene No.	53576	Strand	-
Start	504	End	548

Name	OJ990504_07.9C27.C25.o1.gs	Method	GENSCAN
Start	504	End	548
GI	none	Score	.56
Exons	504..548		

Seq. No.	25793	Seq. ID	OJ990504_07.9C27.C27
Gene No.	53577	Strand	-
Start	1	End	657
Name	OJ990504_07.9C27.C27.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	23020_1.R1084	Score	188
Exons	1..70, 156..241		
GI Descrip.	'3367522 2.0e-27 (AC004392) EST gb_T04691 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25793	Seq. ID	OJ990504_07.9C27.C27
Gene No.	53577	Strand	-
Start	1	End	657
Name	OJ990504_07.9C27.C27.o1.np	Method	AAT/NAP
Start	1	End	657
GI	6910584	Score	281
Exons	1..70, 156..394, 495..657		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	25793	Seq. ID	OJ990504_07.9C27.C27
Gene No.	53577	Strand	-
Start	1	End	657
Name	OJ990504_07.9C27.C27.o1.tm	Method	TBLASTX:Maize
Start	13	End	553
GI	none	Score	64
Exons	13..72, 30..71, 88..261, 124..396, 319..393, 494..550, 495..551, 500..553		

Seq. No.	25793	Seq. ID	OJ990504_07.9C27.C27
Gene No.	53577	Strand	-
Start	1	End	657
Name	OJ990504_07.9C27.C27.o1.gs	Method	GENSCAN
Start	27	End	305
GI	none	Score	.71
Exons	27..70, 156..305		

Seq. No.	25793	Seq. ID	OJ990504_07.9C27.C27
Gene No.	53577	Strand	-
Start	1	End	657
Name	OJ990504_07.9C27.C27.o1.tc	Method	TBLASTX:Cress
Start	30	End	550
GI	none	Score	43
Exons	30..71, 34..72, 151..258, 155..397, 319..393, 497..550		

Seq. No.	25793	Seq. ID	OJ990504_07.9C27.C27
Gene No.	53577	Strand	-
Start	1	End	657
Name	OJ990504_07.9C27.C27.o1.ts	Method	TBLASTX:Soybean
Start	30	End	553
GI	none	Score	53
Exons	30..71, 34..72, 151..261, 155..409, 239..304, 319..393, 500..550, 524..553		

Seq. No.	25794	Seq. ID	OJ990504_07.9C27.C28
Gene No.	53578	Strand	+
Start	1	End	2498
Name	OJ990504_07.9C27.C28.o1.np	Method	AAT/NAP
Start	1	End	2498
GI	6587812	Score	220
Exons	1..168, 556..636, 2442..2498		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o1.np	Method	AAT/NAP
Start	1	End	382
GI	6091761	Score	231
Exons	1..139, 255..382		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o1.gp	Method	AAT/GAP
Start	75	End	279
GI	LIB3434-014-P1-K1-A1	Score	329
Exons	75..279		
GI Descrip.	'6091761/gb|AAF03471.1|AC009327_10 6.0e-15 (AC009327) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o1.tm	Method	TBLASTX:Maize
Start	77	End	357
GI	none	Score	118
Exons	77..163, 78..164, 79..213, 79..228, 239..355, 243..356, 253..357		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o1.ts	Method	TBLASTX:Soybean
Start	82	End	373
GI	none	Score	99
Exons	82..141, 240..371, 253..357, 254..373, 254..373		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o1.gs	Method	GENSCAN
Start	255	End	1771
GI	none	Score	.96
Exons	255..370, 1184..1296, 1431..1539, 1637..1771		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784

Name	OJ990504_07.9C27.C29.o2.gp	Method	AAT/GAP
Start	351	End	1399
GI	none	Score	844
Exons	351..598, 1184..1399		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o1.tw	Method	TBLASTX:Wheat
Start	1211	End	1784
GI	none	Score	78
Exons	1211..1300, 1213..1281, 1214..1294, 1426..1509, 1426..1518, 1616..1717, 1629..1721, 1721..1771, 1722..1784		

Seq. No.	25795	Seq. ID	OJ990504_07.9C27.C29
Gene No.	53579	Strand	-
Start	1	End	1784
Name	OJ990504_07.9C27.C29.o3.gp	Method	AAT/GAP
Start	1431	End	1668
GI	568247	Score	219
Exons	1431..1539, 1637..1668		

Seq. No.	25796	Seq. ID	OJ990504_07.9C27.C30
Gene No.	53580	Strand	-
Start	271	End	1665
Name	OJ990504_07.9C27.C30.o1.gs	Method	GENSCAN
Start	271	End	1665
GI	none	Score	.87
Exons	271..425, 737..894, 1310..1454, 1541..1665		

Seq. No.	25796	Seq. ID	OJ990504_07.9C27.C30
Gene No.	53581	Strand	-
Start	2179	End	2470
Name	OJ990504_07.9C27.C30.o1.tw	Method	TBLASTX:Wheat
Start	276	End	1372
GI	none	Score	36
Exons	276..332, 339..425, 341..427, 346..426, 737..913, 737..892, 739..894, 1298..1372		

Seq. No.	25796	Seq. ID	OJ990504_07.9C27.C30
Gene No.	53581	Strand	-
Start	2179	End	2470
Name	OJ990504_07.9C27.C30.o1.gp	Method	AAT/GAP
Start	2179	End	2470
GI	11098_1.R1084	Score	489
Exons	2179..2470		
GI Descrip.	'2970556/gb|AAC05983.1| 2.0e-37 (AF049708) aspartokinase-homoserine dehydrogenase [Glycine max]'		

Seq. No.	25796	Seq. ID	OJ990504_07.9C27.C30
Gene No.	53581	Strand	-
Start	2179	End	2470
Name	OJ990504_07.9C27.C30.o2.gs	Method	GENSCAN
Start	2336	End	2470
GI	none	Score	.98
Exons	2336..2470		

Seq. No.	25797	Seq. ID	OJ990504_07.9C27.C31
Gene No.	53582	Strand	-
Start	1	End	1640
Name	OJ990504_07.9C27.C31.o1.np	Method	AAT/NAP
Start	1	End	1640
GI	113539	Score	112
Exons	1..85, 710..765, 1147..1187, 1336..1428, 1518..1640		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE I (AKI-HDI) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|66915|pir||DEECK thrA bifunctional enzyme - Escherichia coli		

Seq. No.	25797	Seq. ID	OJ990504_07.9C27.C31
Gene No.	53582	Strand	-
Start	1	End	1640
Name	OJ990504_07.9C27.C31.o1.tc	Method	TBLASTX:Cress
Start	709	End	1588
GI	none	Score	62
Exons	709..798, 1129..1191, 1144..1188, 1145..1198, 1337..1432, 1338..1430, 1513..1587, 1514..1588		

Seq. No.	25797	Seq. ID	OJ990504_07.9C27.C31
Gene No.	53582	Strand	-
Start	1	End	1640
Name	OJ990504_07.9C27.C31.o1.gp	Method	AAT/GAP
Start	710	End	1640
GI	11098_1.R1084	Score	436
Exons	710..766, 1148..1187, 1336..1428, 1518..1640		
GI Descrip.	'2970556/gb|AAC05983.1| 2.0e-37 (AF049708) aspartokinase-homoserine dehydrogenase [Glycine max]'		

Seq. No.	25797	Seq. ID	OJ990504_07.9C27.C31
Gene No.	53582	Strand	-
Start	1	End	1640
Name	OJ990504_07.9C27.C31.o1.gs	Method	GENSCAN
Start	1178	End	1428
GI	none	Score	.4
Exons	1178..1428		

Seq. No.	25798	Seq. ID	OJ990504_07.9C27.C32
Gene No.	53583	Strand	+
Start	1	End	890
Name	OJ990504_07.9C27.C32.o1.np	Method	AAT/NAP
Start	1	End	890
GI	623586	Score	75
Exons	1..71, 762..890		
GI Descrip.	(L29273) putative [Nicotiana tabacum]		

Seq. No.	25798	Seq. ID	OJ990504_07.9C27.C32
Gene No.	53584	Strand	+
Start	838	End	1801
Name	OJ990504_07.9C27.C32.o1.gp	Method	AAT/GAP
Start	838	End	1801
GI	5455584	Score	660
Exons	838..883, 1386..1465, 1570..1801		
GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	25798	Seq. ID	OJ990504_07.9C27.C32
Gene No.	53585	Strand	-
Start	1005	End	1114
Name	OJ990504_07.9C27.C32.o1.gs	Method	GENSCAN
Start	1005	End	1114
GI	none	Score	.41
Exons	1005..1114		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.gs	Method	GENSCAN
Start	1567	End	14112
GI	none	Score	.67
Exons	1567..1572, 2701..2885, 2946..3045, 3569..3682, 3862..3916, 4280..4476, 4715..4836, 4924..5071, 5220..5289, 5392..5537, 6372..6516, 7133..7251, 7359..7430, 7737..7840, 7982..8038, 8125..8317, 8400..8543, 8771..8792, 9309..9457, 9965..10080, 10178..10418, 10948..11056, 11528..11689, 11902..12092, 12111..12212, 13219..13288, 13364..13509, 13962..14112		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.gp	Method	AAT/GAP
Start	2975	End	5289
GI	31091_1.R1084	Score	1632
Exons	2975..3045, 3465..3682, 3862..3916, 4280..4476, 4715..4836, 4924..5071, 5220..5289		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.tm	Method	TBLASTX:Maize
Start	3499	End	14100
GI	none	Score	135
Exons	3499..3582, 3537..3683, 3538..3687, 3569..3682, 3599..3697, 3601..3684, 3861..3917, 3862..3918, 4274..4474, 4275..4475, 4277..4474, 4278..4475, 4279..4476, 4279..4476, 4713..4829, 4714..4833, 4715..4834, 4921..5076, 4925..5077, 4927..5082, 5180..5290, 5217..5303, 5383..5526, 5390..5533, 5391..5540, 5448..5537, 5648..5698, 5648..5698, 5650..5703, 5771..5827, 5773..5838, 6352..6528, 6355..6408, 6371..6529, 6390..6536, 7126..7254, 7126..7251, 7131..7253, 7352..7441, 7353..7430, 7361..7432, 7717..7836, 7735..7836, 7736..7837, 7736..7840, 7980..8039, 7980..8039, 8122..8295, 8126..8329, 8126..8317, 8371..8544, 8393..8545, 8394..8549, 8598..8777, 8613..8777, 8647..8778, 8653..8778, 10320..10418, 10517..10594, 10536..10622, 11923..12090, 11924..12091, 11925..12092, 12444..12554, 12445..12555, 12708..12845, 12709..12855, 12712..12849, 12792..12857, 13216..13290, 13218..13301, 13218..13289, 13351..13512, 13362..13505, 13366..13509, 13591..13629, 13591..13632, 13743..13796, 13746..13796, 13935..14084, 13951..14085, 13952..14086, 13956..14087, 13960..14100		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.np	Method	AAT/NAP
Start	3503	End	8811
GI	6630556	Score	1746
Exons	3503..3682, 3862..3916, 4280..4476, 4715..4836, 4918..5071, 5220..5289, 5392..5537, 5651..5696, 5775..5827, 6372..6516, 7133..7251, 7359..7430, 7737..7840, 7982..8038, 8125..8317, 8400..8543, 8656..8811		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o3.tc	Method	TBLASTX:Cress
Start	3613	End	12041
GI	none	Score	74
Exons	3613..3687, 3614..3682, 3861..3917, 3862..3918, 4275..4424, 4278..4424, 4279..4425, 4282..4425, 10380..10418, 10536..10622, 10538..10594, 11924..12040, 11925..12041		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.ts	Method	TBLASTX:Soybean
Start	4279	End	14093
GI	none	Score	215
Exons	4279..4428, 4284..4427, 4425..4475, 4429..4476, 4714..4824, 4715..4834, 4936..5076, 4937..5077, 5189..5290, 5217..5303, 5390..5551, 5391..5540, 5647..5703, 5648..5698, 5771..5827, 5784..5837, 6368..6517, 6390..6536, 7123..7254, 7131..7244, 7355..7441, 7359..7430, 7734..7838, 7736..7840, 7817..7852, 7970..8014, 7979..8032, 7980..8036, 8119..8223, 8122..8199, 8123..8323, 8267..8320, 8474..8545, 8475..8594, 8634..8741, 8644..8793, 11925..12041, 11925..12041, 12044..12091, 12045..12092, 12444..12554, 12445..12564, 12703..12849, 12703..12855, 12792..12857, 13204..13290, 13218..13289, 13351..13512, 13362..13511, 13591..13629, 13597..13632, 13952..14086, 13953..14087, 13971..14093, 13978..14091		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o2.gp	Method	AAT/GAP
Start	5468	End	9196
GI	14187_1.R1084	Score	2812
Exons	5468..5537, 5651..5696, 5775..5827, 6372..6516, 7133..7251, 7359..7430, 7737..7840, 7982..8038, 8125..8317, 8400..8543, 8656..9196		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+

Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o2.tw	Method	TBLASTX:Wheat
Start	5681	End	14087
GI	none	Score	39
Exons	5681..5698, 5771..5827, 5773..5838, 6370..6528, 6371..6529, 6390..6536, 7123..7254, 7131..7253, 7132..7257, 7133..7258, 7353..7379, 13952..14086, 13956..14087		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o2.tc	Method	TBLASTX:Cress
Start	5783	End	14087
GI	none	Score	62
Exons	5783..5827, 6364..6504, 6371..6517, 6390..6536, 7123..7254, 7125..7235, 7359..7430, 13952..14086, 13956..14087		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.tc	Method	TBLASTX:Cress
Start	7763	End	8760
GI	none	Score	83
Exons	7763..7840, 7980..8036, 7980..8033, 7981..8040, 8123..8272, 8125..8220, 8252..8338, 8394..8504, 8465..8536, 8475..8543, 8628..8741, 8629..8760		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o1.tw	Method	TBLASTX:Wheat
Start	7977	End	8329
GI	none	Score	96
Exons	7977..8039, 7978..8040, 7980..8039, 8110..8286, 8122..8292, 8124..8315, 8126..8329, 8126..8329		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o2.np	Method	AAT/NAP
Start	9404	End	13288
GI	6630556	Score	521
Exons	9404..9501, 10322..10418, 10539..10593, 11902..12092, 12445..12566, 12690..12843, 13219..13288		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o3.np	Method	AAT/NAP
Start	11253	End	14354
GI	6630556	Score	759
Exons	11253..11420, 11812..12092, 12445..12566, 12690..12843, 13219..13288, 13364..13509, 13600..13644, 13744..13796, 13962..14096, 14255..14354		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis		

thaliana]

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o5.np	Method	AAT/NAP
Start	11562	End	14354
GI	6630556	Score	754
Exons	11562..11589, 11902..12092, 12445..12566, 12690..12843, 13219..13288, 13364..13509, 13600..13644, 13744..13796, 13962..14096, 14255..14354		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o4.np	Method	AAT/NAP
Start	12024	End	14354
GI	5107819	Score	694
Exons	12024..12092, 12445..12572, 12696..12843, 13219..13288, 13364..13509, 13962..14096, 14255..14354		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o6.np	Method	AAT/NAP
Start	12392	End	14354
GI	5107819	Score	604
Exons	12392..12572, 12696..12843, 13219..13288, 13364..13509, 13962..14096, 14255..14354		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	25799	Seq. ID	OJ990504_07.9C27.C34
Gene No.	53586	Strand	+
Start	1567	End	14354
Name	OJ990504_07.9C27.C34.o3.gp	Method	AAT/GAP
Start	12497	End	13019
GI	uC-osflcyp141d01b1	Score	704
Exons	12497..12566, 12696..13019		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 9.0e-14 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	25800	Seq. ID	OJ990504_07.9C27.C35
Gene No.	53587	Strand	+
Start	1	End	1116
Name	OJ990504_07.9C27.C35.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	5107819	Score	349
Exons	1..32, 125..284, 651..769, 798..1116		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	25800	Seq. ID	OJ990504_07.9C27.C35

Gene No.	53587	Strand	+
Start	1	End	1116
Name	OJ990504_07.9C27.C35.o1.tm	Method	TBLASTX:Maize
Start	107	End	998
GI	none	Score	193
Exons	107..256, 124..258, 128..259, 661..771, 883..909, 951..998	132..272, 651..770, 653..772, 954..998	

Seq. No.	25800	Seq. ID	OJ990504_07.9C27.C35
Gene No.	53587	Strand	+
Start	1	End	1116
Name	OJ990504_07.9C27.C35.o1.ts	Method	TBLASTX:Soybean
Start	124	End	998
GI	none	Score	190
Exons	124..258, 125..259, 143..265, 653..772, 876..908, 883..909,	150..263, 643..771, 652..762, 930..998	

Seq. No.	25800	Seq. ID	OJ990504_07.9C27.C35
Gene No.	53587	Strand	+
Start	1	End	1116
Name	OJ990504_07.9C27.C35.o1.tw	Method	TBLASTX:Wheat
Start	124	End	772
GI	none	Score	206
Exons	124..258, 128..259, 653..772,	661..771	

Seq. No.	25800	Seq. ID	OJ990504_07.9C27.C35
Gene No.	53587	Strand	+
Start	1	End	1116
Name	OJ990504_07.9C27.C35.o1.gs	Method	GENSCAN
Start	203	End	998
GI	none	Score	.84
Exons	203..284, 651..769, 886..998		

Seq. No.	25801	Seq. ID	OJ990504_07.9C27.C36
Gene No.	53588	Strand	+
Start	1	End	622
Name	OJ990504_07.9C27.C36.o1.np	Method	AAT/NAP
Start	1	End	621
GI	3885338	Score	264
Exons	1..621		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		

Seq. No.	25801	Seq. ID	OJ990504_07.9C27.C36
Gene No.	53588	Strand	+
Start	1	End	622
Name	OJ990504_07.9C27.C36.o1.tm	Method	TBLASTX:Maize
Start	193	End	369
GI	none	Score	233
Exons	193..369, 210..368		

Seq. No.	25801	Seq. ID	OJ990504_07.9C27.C36
Gene No.	53588	Strand	+
Start	1	End	622
Name	OJ990504_07.9C27.C36.o1.ts	Method	TBLASTX:Soybean
Start	249	End	609
GI	none	Score	162
Exons	249..506, 250..507, 508..609		

Seq. No.	25801	Seq. ID	OJ990504_07.9C27.C36
Gene No.	53588	Strand	+
Start	1	End	622
Name	OJ990504_07.9C27.C36.o1.gp	Method	AAT/GAP
Start	335	End	622
GI	LIB3434-023-P1-K1-B7	Score	520
Exons	335..622		
GI Descrip.	'3885338 1.0e-08 (AC005623) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25802	Seq. ID	OJ990504_07.9C27.C37
Gene No.	53589	Strand	+
Start	172	End	655
Name	OJ990504_07.9C27.C37.o1.gs	Method	GENSCAN
Start	172	End	510
GI	none	Score	1
Exons	172..510		

Seq. No.	25802	Seq. ID	OJ990504_07.9C27.C37
Gene No.	53589	Strand	+
Start	172	End	655
Name	OJ990504_07.9C27.C37.o1.np	Method	AAT/NAP
Start	204	End	655
GI	6910584	Score	170
Exons	204..655		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	25802	Seq. ID	OJ990504_07.9C27.C37
Gene No.	53589	Strand	+
Start	172	End	655
Name	OJ990504_07.9C27.C37.o1.tm	Method	TBLASTX:Maize
Start	241	End	495
GI	none	Score	268
Exons	241..495, 297..482		

Seq. No.	25802	Seq. ID	OJ990504_07.9C27.C37
Gene No.	53589	Strand	+
Start	172	End	655
Name	OJ990504_07.9C27.C37.o1.ts	Method	TBLASTX:Soybean
Start	259	End	495
GI	none	Score	245
Exons	259..495, 288..488		

Seq. No.	25802	Seq. ID	OJ990504_07.9C27.C37
Gene No.	53589	Strand	+
Start	172	End	655
Name	OJ990504_07.9C27.C37.o1.tc	Method	TBLASTX:Cress
Start	271	End	495
GI	none	Score	220
Exons	271..495, 303..488		

Seq. No.	25803	Seq. ID	OJ990504_07.9C27.C40
Gene No.	53590	Strand	+
Start	1579	End	1984
Name	OJ990504_07.9C27.C40.o1.gp	Method	AAT/GAP
Start	1579	End	1984

GI	none	Score	615
Exons	1579..1984		

Seq. No.	25803	Seq. ID	OJ990504_07.9C27.C40
Gene No.	53591	Strand	-
Start	389	End	946
Name	OJ990504_07.9C27.C40.o1.gs	Method	GENSCAN
Start	389	End	946
GI	none	Score	.95
Exons	389..946		

Seq. No.	25804	Seq. ID	OJ990504_07.9C27.C41
Gene No.	53592	Strand	+
Start	2056	End	2559
Name	OJ990504_07.9C27.C41.o2.gp	Method	AAT/GAP
Start	2056	End	2559
GI	LIB3431-055-P1-N1-G3	Score	890
Exons	2056..2559		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25804	Seq. ID	OJ990504_07.9C27.C41
Gene No.	53593	Strand	-
Start	24	End	5975
Name	OJ990504_07.9C27.C41.o1.tm	Method	TBLASTX:Maize
Start	17	End	317
GI	none	Score	106
Exons	17..106, 19..111, 143..205, 144..317, 145..219, 159..242, 231..269, 263..316		

Seq. No.	25804	Seq. ID	OJ990504_07.9C27.C41
Gene No.	53593	Strand	-
Start	24	End	5975
Name	OJ990504_07.9C27.C41.o1.gs	Method	GENSCAN
Start	24	End	5975
GI	none	Score	.54
Exons	24..131, 271..324, 2070..2258, 3430..3537, 4085..4163, 5804..5975		

Seq. No.	25804	Seq. ID	OJ990504_07.9C27.C41
Gene No.	53593	Strand	-
Start	24	End	5975
Name	OJ990504_07.9C27.C41.o1.gp	Method	AAT/GAP
Start	42	End	305
GI	none	Score	441
Exons	42..305		

Seq. No.	25804	Seq. ID	OJ990504_07.9C27.C41
Gene No.	53593	Strand	-
Start	24	End	5975
Name	OJ990504_07.9C27.C41.o3.gp	Method	AAT/GAP
Start	1830	End	3671
GI	5003203	Score	686
Exons	1830..1851, 2294..2442, 3430..3671		

Seq. No.	25805	Seq. ID	OJ990504_07.9C27.C42
Gene No.	53594	Strand	+

Start	1603	End	1701
Name	OJ990504_07.9C27.C42.o1.gp	Method	AAT/GAP
Start	1603	End	1701
GI	none	Score	172
Exons	1603..1701		

Seq. No.	25805	Seq. ID	OJ990504_07.9C27.C42
Gene No.	53595	Strand	-
Start	248	End	1553
Name	OJ990504_07.9C27.C42.o1.np	Method	AAT/NAP
Start	248	End	1553
GI	6815099	Score	98
Exons	248..365, 1514..1553		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25805	Seq. ID	OJ990504_07.9C27.C42
Gene No.	53596	Strand	-
Start	1796	End	4004
Name	OJ990504_07.9C27.C42.o2.np	Method	AAT/NAP
Start	1755	End	2863
GI	6815053	Score	779
Exons	1755..1991, 2041..2216, 2717..2863		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25805	Seq. ID	OJ990504_07.9C27.C42
Gene No.	53596	Strand	-
Start	1796	End	4004
Name	OJ990504_07.9C27.C42.o1.gs	Method	GENSCAN
Start	1796	End	4004
GI	none	Score	.62
Exons	1796..1991, 2032..2216, 3095..3354, 3896..4004		

Seq. No.	25805	Seq. ID	OJ990504_07.9C27.C42
Gene No.	53597	Strand	-
Start	4181	End	4444
Name	OJ990504_07.9C27.C42.o3.np	Method	AAT/NAP
Start	4181	End	4444
GI	6815099	Score	113
Exons	4181..4444		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	25806	Seq. ID	OJ990504_07.9C27.C45
Gene No.	53598	Strand	+
Start	6	End	311
Name	OJ990504_07.9C27.C45.o1.gs	Method	GENSCAN
Start	6	End	311
GI	none	Score	.83
Exons	6..311		

Seq. No.	25807	Seq. ID	OJ990504_07.9C27.C46
Gene No.	53599	Strand	-
Start	5326	End	6349
Name	OJ990504_07.9C27.C46.o1.tm	Method	TBLASTX:Maize
Start	2507	End	2740
GI	none	Score	192
Exons	2507..2740, 2522..2653, 2541..2657, 2545..2673		

Seq. No.	25807	Seq. ID	OJ990504_07.9C27.C46
Gene No.	53599	Strand	-
Start	5326	End	6349
Name	OJ990504_07.9C27.C46.o2.gs	Method	GENSCAN
Start	5326	End	5928
GI	none	Score	.72
Exons	5326..5928		

Seq. No.	25807	Seq. ID	OJ990504_07.9C27.C46
Gene No.	53599	Strand	-
Start	5326	End	6349
Name	OJ990504_07.9C27.C46.o1.np	Method	AAT/NAP
Start	5389	End	6349
GI	5257262	Score	311
Exons	5389..5472, 5671..6203, 6262..6349		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	25807	Seq. ID	OJ990504_07.9C27.C46
Gene No.	53599	Strand	-
Start	5326	End	6349
Name	OJ990504_07.9C27.C46.o1.tw	Method	TBLASTX:Wheat
Start	5668	End	6051
GI	none	Score	104
Exons	5668..5769, 5669..5941, 5818..5940, 5971..6051, 5975..6049		

Seq. No.	25808	Seq. ID	OJ990504_07.9C27.C47
Gene No.	53600	Strand	+
Start	148	End	552
Name	OJ990504_07.9C27.C47.o1.gs	Method	GENSCAN
Start	148	End	552
GI	none	Score	.99
Exons	148..552		

Seq. No.	25808	Seq. ID	OJ990504_07.9C27.C47
Gene No.	53601	Strand	+
Start	3113	End	6055
Name	OJ990504_07.9C27.C47.o3.gs	Method	GENSCAN
Start	3113	End	6055
GI	none	Score	.55
Exons	3113..3153, 4374..4770, 4871..5026, 5786..6055		

Seq. No.	25808	Seq. ID	OJ990504_07.9C27.C47
Gene No.	53602	Strand	-
Start	1072	End	2953
Name	OJ990504_07.9C27.C47.o2.gs	Method	GENSCAN
Start	1072	End	2466
GI	none	Score	.97
Exons	1072..1895, 2400..2466		

Seq. No.	25808	Seq. ID	OJ990504_07.9C27.C47
Gene No.	53602	Strand	-
Start	1072	End	2953
Name	OJ990504_07.9C27.C47.o1.np	Method	AAT/NAP
Start	1141	End	2953
GI	5257262	Score	348
Exons	1141..1233, 1372..1895, 2400..2605, 2859..2953		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	25808	Seq. ID	OJ990504_07.9C27.C47
Gene No.	53602	Strand	-
Start	1072	End	2953
Name	OJ990504_07.9C27.C47.o1.tw	Method	TBLASTX:Wheat
Start	1360	End	1743
GI	none	Score	98
Exons	1360..1668, 1361..1633, 1642..1743, 1658..1741		

Seq. No.	25809	Seq. ID	OJ990504_07.9C27.C48
Gene No.	53603	Strand	+
Start	5	End	75
Name	OJ990504_07.9C27.C48.o1.gs	Method	GENSCAN
Start	5	End	75
GI	none	Score	.98
Exons	5..75		

Seq. No.	25810	Seq. ID	OJ990504_07.9C27.C49
Gene No.	53604	Strand	-
Start	309	End	755
Name	OJ990504_07.9C27.C49.o1.np	Method	AAT/NAP
Start	309	End	755
GI	6815053	Score	537
Exons	309..545, 595..755		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	25810	Seq. ID	OJ990504_07.9C27.C49
Gene No.	53604	Strand	-
Start	309	End	755
Name	OJ990504_07.9C27.C49.o1.gs	Method	GENSCAN
Start	350	End	710
GI	none	Score	.59
Exons	350..545, 586..710		

Seq. No.	25811	Seq. ID	OJ990504_07.9C27.C50
Gene No.	53605	Strand	+
Start	232	End	438
Name	OJ990504_07.9C27.C50.o1.np	Method	AAT/NAP
Start	232	End	438
GI	728837	Score	235
Exons	232..438		
GI Descrip.	**** ALU SUBFAMILY SQ WARNING ENTRY ****		

Seq. No.	25812	Seq. ID	OJ990504_07.9C27.C51
Gene No.	53606	Strand	-
Start	66	End	474
Name	OJ990504_07.9C27.C51.o1.gs	Method	GENSCAN
Start	66	End	474
GI	none	Score	.47
Exons	66..474		

Seq. No.	25813	Seq. ID	OJ990504_07.9C27.C53
Gene No.	53607	Strand	-
Start	776	End	934
Name	OJ990504_07.9C27.C53.o1.gs	Method	GENSCAN
Start	776	End	934
GI	none	Score	.47

Exons	776..934		
Seq. No.	25814	Seq. ID	OJ990504_07.9C27.C54
Gene No.	53608	Strand	-
Start	163	End	628
Name	OJ990504_07.9C27.C54.o1.np	Method	AAT/NAP
Start	163	End	628
GI	5903099	Score	305
Exons	163..628		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		
Seq. No.	25814	Seq. ID	OJ990504_07.9C27.C54
Gene No.	53608	Strand	-
Start	163	End	628
Name	OJ990504_07.9C27.C54.o1.tm	Method	TBLASTX:Maize
Start	166	End	628
GI	none	Score	238
Exons	166..243, 244..627, 245..628		
Seq. No.	25814	Seq. ID	OJ990504_07.9C27.C54
Gene No.	53608	Strand	-
Start	163	End	628
Name	OJ990504_07.9C27.C54.o1.ts	Method	TBLASTX:Soybean
Start	172	End	432
GI	none	Score	55
Exons	172..213, 265..411, 265..432		
Seq. No.	25814	Seq. ID	OJ990504_07.9C27.C54
Gene No.	53608	Strand	-
Start	163	End	628
Name	OJ990504_07.9C27.C54.o1.gs	Method	GENSCAN
Start	174	End	579
GI	none	Score	.61
Exons	174..579		
Seq. No.	25815	Seq. ID	OJ990504_07.9C27.C55
Gene No.	53609	Strand	-
Start	293	End	406
Name	OJ990504_07.9C27.C55.o1.gs	Method	GENSCAN
Start	293	End	406
GI	none	Score	.88
Exons	293..406		
Seq. No.	25816	Seq. ID	OJ990504_07.9C27.C57
Gene No.	53610	Strand	-
Start	322	End	432
Name	OJ990504_07.9C27.C57.o1.gs	Method	GENSCAN
Start	322	End	432
GI	none	Score	.62
Exons	322..432		
Seq. No.	25817	Seq. ID	OJ990504_07.9C27.C62
Gene No.	53611	Strand	+
Start	216	End	430
Name	OJ990504_07.9C27.C62.o1.gs	Method	GENSCAN
Start	216	End	430
GI	none	Score	.98

Exons	216..430		
Seq. No.	25818	Seq. ID	OJ990504_07.9C27.C63
Gene No.	53612	Strand	+
Start	1	End	611
Name	OJ990504_07.9C27.C63.o1.np	Method	AAT/NAP
Start	1	End	611
GI	6910588	Score	380
Exons	1..79, 246..611		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		
Seq. No.	25818	Seq. ID	OJ990504_07.9C27.C63
Gene No.	53612	Strand	+
Start	1	End	611
Name	OJ990504_07.9C27.C63.o1.gp	Method	AAT/GAP
Start	246	End	458
GI	60382_1.R1084	Score	395
Exons	246..458		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]'		
Seq. No.	25818	Seq. ID	OJ990504_07.9C27.C63
Gene No.	53613	Strand	-
Start	339	End	611
Name	OJ990504_07.9C27.C63.o1.tm	Method	TBLASTX:Maize
Start	237	End	611
GI	none	Score	91
Exons	237..296, 245..295, 297..611, 299..598, 300..605		
Seq. No.	25818	Seq. ID	OJ990504_07.9C27.C63
Gene No.	53613	Strand	-
Start	339	End	611
Name	OJ990504_07.9C27.C63.o1.tc	Method	TBLASTX:Cress
Start	240	End	608
GI	none	Score	293
Exons	240..608, 245..532		
Seq. No.	25818	Seq. ID	OJ990504_07.9C27.C63
Gene No.	53613	Strand	-
Start	339	End	611
Name	OJ990504_07.9C27.C63.o1.ts	Method	TBLASTX:Soybean
Start	245	End	611
GI	none	Score	424
Exons	245..610, 246..611		
Seq. No.	25818	Seq. ID	OJ990504_07.9C27.C63
Gene No.	53613	Strand	-
Start	339	End	611
Name	OJ990504_07.9C27.C63.o1.gs	Method	GENSCAN
Start	339	End	509
GI	none	Score	.95
Exons	339..452, 483..509		
Seq. No.	25819	Seq. ID	OJ990504_07.9C27.C67
Gene No.	53614	Strand	-
Start	740	End	1240
Name	OJ990504_07.9C27.C67.o1.gs	Method	GENSCAN

Start	740	End	1235
GI	none	Score	.99
Exons	740..753, 795..951, 1062..1235		

Seq. No.	25819	Seq. ID	OJ990504_07.9C27.C67
Gene No.	53614	Strand	-
Start	740	End	1240
Name	OJ990504_07.9C27.C67.o1.tm	Method	TBLASTX:Maize
Start	793	End	1240
GI	none	Score	149
Exons	793..957, 793..951, 1059..1235, 1061..1225, 1062..1235, 1066..1236, 1103..1240		

Seq. No.	25820	Seq. ID	OJ990504_07.9C27.C68
Gene No.	53615	Strand	-
Start	652	End	755
Name	OJ990504_07.9C27.C68.o1.gs	Method	GENSCAN
Start	652	End	755
GI	none	Score	.66
Exons	652..755		

Seq. No.	25821	Seq. ID	OJ990504_07.9C27.C70
Gene No.	53616	Strand	-
Start	202	End	603
Name	OJ990504_07.9C27.C70.o1.gp	Method	AAT/GAP
Start	202	End	603
GI	23020_1.R1084	Score	226
Exons	202..229, 390..476, 560..603		
GI Descrip.	'3367522 2.0e-27 (AC004392) EST gb_T04691 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25821	Seq. ID	OJ990504_07.9C27.C70
Gene No.	53616	Strand	-
Start	202	End	603
Name	OJ990504_07.9C27.C70.o1.gs	Method	GENSCAN
Start	409	End	476
GI	none	Score	.95
Exons	409..476		

Seq. No.	25822	Seq. ID	OJ990504_07.9C27.C71
Gene No.	53617	Strand	+
Start	262	End	535
Name	OJ990504_07.9C27.C71.o1.gs	Method	GENSCAN
Start	262	End	535
GI	none	Score	.97
Exons	262..401, 500..535		

Seq. No.	25823	Seq. ID	OJ990504_07.9C27.C72
Gene No.	53618	Strand	+
Start	360	End	532
Name	OJ990504_07.9C27.C72.o1.gs	Method	GENSCAN
Start	360	End	532
GI	none	Score	.97
Exons	360..532		

Seq. No.	25823	Seq. ID	OJ990504_07.9C27.C72
Gene No.	53619	Strand	-

Start	1	End	503
Name	OJ990504_07.9C27.C72.o1.np	Method	AAT/NAP
Start	1	End	503
GI	6630556	Score	75
Exons	1..182, 303..503		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	25824	Seq. ID	OJ990504_07.9C27.C73
Gene No.	53620	Strand	-
Start	286	End	414
Name	OJ990504_07.9C27.C73.o1.gs	Method	GENSCAN
Start	286	End	414
GI	none	Score	.8
Exons	286..414		

Seq. No.	25825	Seq. ID	OJ990504_07.9C27.C74
Gene No.	53621	Strand	-
Start	395	End	1700
Name	OJ990504_07.9C27.C74.o1.gp	Method	AAT/GAP
Start	238	End	1700
GI	11098_1.R1084	Score	898
Exons	238..529, 896..965, 1116..1279, 1678..1700		
GI Descrip.	'2970556/gb|AAC05983.1| 2.0e-37 (AF049708) aspartokinase-homoserine dehydrogenase [Glycine max]'		

Seq. No.	25825	Seq. ID	OJ990504_07.9C27.C74
Gene No.	53621	Strand	-
Start	395	End	1700
Name	OJ990504_07.9C27.C74.o1.tc	Method	TBLASTX:Cress
Start	373	End	1330
GI	none	Score	60
Exons	373..495, 382..525, 407..529, 411..530, 893..961, 1118..1330, 1125..1277		

Seq. No.	25825	Seq. ID	OJ990504_07.9C27.C74
Gene No.	53621	Strand	-
Start	395	End	1700
Name	OJ990504_07.9C27.C74.o1.tm	Method	TBLASTX:Maize
Start	389	End	1280
GI	none	Score	93
Exons	389..529, 395..526, 396..530, 397..531, 893..964, 894..965, 895..966, 1073..1279, 1113..1280		

Seq. No.	25825	Seq. ID	OJ990504_07.9C27.C74
Gene No.	53621	Strand	-
Start	395	End	1700
Name	OJ990504_07.9C27.C74.o1.gs	Method	GENSCAN
Start	395	End	1279
GI	none	Score	.87
Exons	395..529, 896..965, 1116..1279		

Seq. No.	25825	Seq. ID	OJ990504_07.9C27.C74
Gene No.	53621	Strand	-
Start	395	End	1700
Name	OJ990504_07.9C27.C74.o1.np	Method	AAT/NAP
Start	413	End	1700

GI	1168401	Score	96
Exons	413..529, 896..965, 1116..1214, 1661..1700		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE (AK-HD) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|1073872|pir||A64048 aspartokinase-homoserine dehydrogenase (thrA) homolog - Haemophilus influenzae (strain Rd KW20) gi|1573040 (U32694) aspartokinase I / homoserine dehydrogenase I (thrA) [Haemophilus influenzae Rd]		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53622	Strand	-
Start	1	End	1645
Name	OJ990504_07.9C27.C75.o1.np	Method	AAT/NAP
Start	1	End	348
GI	113539	Score	61
Exons	1..171, 261..348		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE I (AKI-HDI) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|66915|pir||DEECK thrA bifunctional enzyme - Escherichia coli		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53622	Strand	-
Start	1	End	1645
Name	OJ990504_07.9C27.C75.o1.gp	Method	AAT/GAP
Start	79	End	1645
GI	11098_1.R1084	Score	1228
Exons	79..171, 261..348, 626..679, 770..885, 1070..1147, 1291..1441, 1511..1645		
GI Descrip.	'2970556/gb|AAC05983.1| 2.0e-37 (AF049708) aspartokinase-homoserine dehydrogenase [Glycine max]'		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53622	Strand	-
Start	1	End	1645
Name	OJ990504_07.9C27.C75.o1.gs	Method	GENSCAN
Start	79	End	1621
GI	none	Score	.9
Exons	79..171, 261..348, 770..885, 1291..1441, 1511..1621		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53623	Strand	-
Start	2480	End	4447
Name	OJ990504_07.9C27.C75.o2.tc	Method	TBLASTX:Cress
Start	80	End	331
GI	none	Score	75
Exons	80..175, 81..173, 256..330, 257..331		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53623	Strand	-
Start	2480	End	4447
Name	OJ990504_07.9C27.C75.o2.tm	Method	TBLASTX:Maize
Start	2459	End	4018
GI	none	Score	65
Exons	2459..2557, 2481..2558, 2703..2801, 2710..2799, 2711..2803, 2885..3001, 2885..3004, 2940..3005, 3079..3327, 3089..3328, 3123..3329, 3182..3328, 3256..3330, 3428..3484, 3429..3485, 3434..3487, 3650..3733, 3655..3735, 3675..3740, 3900..4016,		

3902..4018

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53623	Strand	-
Start	2480	End	4447
Name	OJ990504_07.9C27.C75.o2.np	Method	AAT/NAP
Start	2480	End	4441
GI	6910584	Score	956
Exons	2480..2557, 2885..3003, 3090..3328, 3429..3485, 3650..3736, 3900..4441		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53623	Strand	-
Start	2480	End	4447
Name	OJ990504_07.9C27.C75.o1.ts	Method	TBLASTX:Soybean
Start	2702	End	4441
GI	none	Score	77
Exons	2702..2806, 2711..2800, 2885..3004, 2979..3005, 3079..3327, 3080..3343, 3420..3479, 3434..3484, 3434..3484, 3637..3726, 3650..3733, 3655..3735, 3902..4441, 3903..4115, 4152..4439		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53623	Strand	-
Start	2480	End	4447
Name	OJ990504_07.9C27.C75.o1.tc	Method	TBLASTX:Cress
Start	2713	End	4447
GI	none	Score	159
Exons	2713..2799, 2888..3043, 3079..3327, 3434..3484, 3655..3735, 3902..4018, 4061..4447, 4065..4439		

Seq. No.	25826	Seq. ID	OJ990504_07.9C27.C75
Gene No.	53623	Strand	-
Start	2480	End	4447
Name	OJ990504_07.9C27.C75.o1.tm	Method	TBLASTX:Maize
Start	4020	End	4447
GI	none	Score	335
Exons	4020..4388, 4022..4390, 4391..4447, 4392..4439		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53624	Strand	+
Start	4516	End	5201
Name	OJ990504_07.9C27.C76.o2.gs	Method	GENSCAN
Start	4516	End	5201
GI	none	Score	.65
Exons	4516..4522, 4539..4604, 4826..4947, 5106..5201		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53625	Strand	-
Start	597	End	4066
Name	OJ990504_07.9C27.C76.o1.gp	Method	AAT/GAP
Start	455	End	1297
GI	23020_1.R1084	Score	899
Exons	455..677, 838..924, 1008..1126, 1212..1297		
GI Descrip.	'3367522 2.0e-27 (AC004392) EST gb_T04691 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53625	Strand	-
Start	597	End	4066
Name	OJ990504_07.9C27.C76.o1.gs	Method	GENSCAN
Start	597	End	3972
GI	none	Score	.56
Exons	597..677, 838..924, 1008..1126, 1212..1361, 1791..1851, 2338..2559, 3673..3972		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53625	Strand	-
Start	597	End	4066
Name	OJ990504_07.9C27.C76.o1.np	Method	AAT/NAP
Start	602	End	3945
GI	6910584	Score	1194
Exons	602..677, 1008..1126, 1212..1450, 1551..1607, 1765..1851, 2018..2559, 3673..3945		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53625	Strand	-
Start	597	End	4066
Name	OJ990504_07.9C27.C76.o2.gp	Method	AAT/GAP
Start	2347	End	4066
GI	60382_1.R1084	Score	1194
Exons	2347..2559, 3673..4066		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53626	Strand	-
Start	6173	End	6394
Name	OJ990504_07.9C27.C76.o3.gs	Method	GENSCAN
Start	6173	End	6394
GI	none	Score	.88
Exons	6173..6394		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o1.tm	Method	TBLASTX:Maize
Start	579	End	8751
GI	none	Score	122
Exons	579..680, 833..925, 835..927, 836..925, 837..929, 837..926, 990..1124, 1003..1128, 1008..1127, 1144..1317, 1180..1452, 1375..1449, 1550..1606, 1551..1607, 1556..1609, 1765..1848, 1767..1853, 1767..1841, 2005..2139, 2006..2140, 7108..7206, 7146..7211, 7327..7416, 7328..7420, 7328..7417, 7498..7617, 7553..7618, 7701..7943, 7705..7944, 7707..7946, 8046..8102, 8047..8103, 8052..8105, 8400..8483, 8400..8483, 8402..8515, 8402..8485, 8446..8502, 8629..8751, 8631..8750		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o1.tc	Method	TBLASTX:Cress
Start	832	End	11301

GI	none	Score	79
Exons	832..939, 1017..1127, 1033..1128, 1207..1311, 1375..1449, 1767..1841, 1936..2013, 1984..2565, 2191..2292, 2273..2560, 3670..3834, 7330..7416, 7337..7417, 7501..7617, 7571..7618, 7701..7943, 8402..8485, 8631..9176, 8884..9171, 11078..11113, 11101..11301		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o1.ts	Method	TBLASTX:Soybean
Start	835	End	11328
GI	none	Score	65
Exons	835..930, 836..925, 1008..1127, 1027..1128, 1207..1317, 1211..1465, 1352..1390, 1375..1449, 1556..1606, 1556..1606, 1765..1848, 1767..1841, 2005..2559, 2021..2560, 3658..3837, 3674..3850, 7135..7206, 7327..7416, 7328..7417, 7328..7423, 7498..7617, 7574..7618, 7699..7941, 7701..7961, 7705..7959, 8052..8102, 8052..8102, 8400..8483, 8400..8477, 8402..8485, 8411..8488, 8455..8508, 8631..9170, 8632..9171, 9028..9174, 11089..11328, 11096..11296		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o2.tm	Method	TBLASTX:Maize
Start	2141	End	9179
GI	none	Score	307
Exons	2141..2506, 2141..2353, 2143..2508, 2509..2568, 2510..2560, 8752..9117, 8752..8925, 8769..9119, 9120..9179, 9121..9171		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o3.tm	Method	TBLASTX:Maize
Start	3658	End	11343
GI	none	Score	245
Exons	3658..3837, 3671..3856, 3745..3864, 3813..3863, 3910..3960, 11089..11343, 11102..11287		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o4.gs	Method	GENSCAN
Start	7126	End	8350
GI	none	Score	.57
Exons	7126..7206, 7330..7416, 7498..7616, 7706..7855, 8227..8350		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o2.np	Method	AAT/NAP
Start	7129	End	11380
GI	6910584	Score	1117
Exons	7129..7206, 7498..7616, 7706..7944, 8047..8103, 8400..8486, 8629..9170, 11104..11380		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	25827	Seq. ID	OJ990504_07.9C27.C76
Gene No.	53627	Strand	-
Start	7126	End	13346
Name	OJ990504_07.9C27.C76.o5.gs	Method	GENSCAN
Start	11074	End	13346
GI	none	Score	.53
Exons	11074..11377, 11400..11538, 11985..12084, 12451..12649, 12695..12834, 13277..13346		

Seq. No.	25828	Seq. ID	OJ990504_07.9C27.C78
Gene No.	53628	Strand	+
Start	1	End	2430
Name	OJ990504_07.9C27.C78.o1.np	Method	AAT/NAP
Start	1	End	2430
GI	5734769	Score	161
Exons	1..47, 1368..1649, 2397..2430		
GI Descrip.	(AC007651) Very similar to SRG1 [Arabidopsis thaliana]		

Seq. No.	25828	Seq. ID	OJ990504_07.9C27.C78
Gene No.	53628	Strand	+
Start	1	End	2430
Name	OJ990504_07.9C27.C78.o1.gs	Method	GENSCAN
Start	1388	End	1666
GI	none	Score	.5
Exons	1388..1666		

Seq. No.	25828	Seq. ID	OJ990504_07.9C27.C78
Gene No.	53629	Strand	-
Start	2255	End	2372
Name	OJ990504_07.9C27.C78.o1.tm	Method	TBLASTX:Maize
Start	1424	End	1651
GI	none	Score	135
Exons	1424..1531, 1427..1540, 1435..1542, 1517..1606, 1537..1596, 1541..1609, 1589..1648, 1603..1647, 1604..1651		

Seq. No.	25828	Seq. ID	OJ990504_07.9C27.C78
Gene No.	53629	Strand	-
Start	2255	End	2372
Name	OJ990504_07.9C27.C78.o1.ts	Method	TBLASTX:Soybean
Start	1427	End	1737
GI	none	Score	227
Exons	1427..1645, 1465..1737		

Seq. No.	25828	Seq. ID	OJ990504_07.9C27.C78
Gene No.	53629	Strand	-
Start	2255	End	2372
Name	OJ990504_07.9C27.C78.o1.tc	Method	TBLASTX:Cress
Start	1502	End	1656
GI	none	Score	199
Exons	1502..1645, 1505..1651, 1507..1656		

Seq. No.	25828	Seq. ID	OJ990504_07.9C27.C78
Gene No.	53629	Strand	-
Start	2255	End	2372
Name	OJ990504_07.9C27.C78.o2.gs	Method	GENSCAN
Start	2255	End	2372

GI	none	Score	.43
Exons	2255..2372		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53630	Strand	+
Start	1	End	71
Name	OJ990504_07.9C27.C79.o1.gp	Method	AAT/GAP
Start	1	End	71
GI	none	Score	134
Exons	1..71		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53631	Strand	+
Start	40	End	1008
Name	OJ990504_07.9C27.C79.o1.np	Method	AAT/NAP
Start	40	End	1005
GI	6091761	Score	563
Exons	40..167, 283..337, 436..556, 679..821, 907..1005		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53631	Strand	+
Start	40	End	1008
Name	OJ990504_07.9C27.C79.o1.gs	Method	GENSCAN
Start	52	End	1008
GI	none	Score	.85
Exons	52..167, 436..469, 636..821, 907..1008		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53631	Strand	+
Start	40	End	1008
Name	OJ990504_07.9C27.C79.o2.gp	Method	AAT/GAP
Start	143	End	603
GI	LIB3434-014-P1-K1-A1	Score	744
Exons	143..603		
GI Descrip.	'6091761/gb|AAF03471.1|AC009327_10 6.0e-15 (AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-
Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o1.ts	Method	TBLASTX:Soybean
Start	57	End	495
GI	none	Score	156
Exons	57..182, 58..168, 281..346, 435..494, 436..495		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-
Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o1.tm	Method	TBLASTX:Maize
Start	66	End	567
GI	none	Score	106
Exons	66..182, 66..179, 67..183, 194..343, 209..343, 258..344, 259..345, 364..564, 372..563, 388..567		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-

Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o1.tc	Method	TBLASTX:Cress
Start	517	End	1025
GI	none	Score	60
Exons	517..561, 525..557, 678..821, 678..821, 707..823, 901..1008, 906..1025		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-
Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o2.tm	Method	TBLASTX:Maize
Start	678	End	1144
GI	none	Score	182
Exons	678..821, 678..821, 679..822, 901..1044, 906..1025, 908..1030, 1055..1144		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-
Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o2.gs	Method	GENSCAN
Start	1808	End	2451
GI	none	Score	.65
Exons	1808..2451		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-
Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o3.tm	Method	TBLASTX:Maize
Start	2006	End	2506
GI	none	Score	86
Exons	2006..2179, 2015..2179, 2028..2183, 2056..2187, 2302..2364, 2344..2502, 2403..2459, 2408..2506, 2414..2506, 2416..2502		

Seq. No.	25829	Seq. ID	OJ990504_07.9C27.C79
Gene No.	53632	Strand	-
Start	1808	End	2538
Name	OJ990504_07.9C27.C79.o2.np	Method	AAT/NAP
Start	2248	End	2538
GI	6587812	Score	104
Exons	2248..2538		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	25830	Seq. ID	OJ990504_07.9C27.C80
Gene No.	53633	Strand	+
Start	1868	End	3820
Name	OJ990504_07.9C27.C80.o1.gs	Method	GENSCAN
Start	1868	End	3820
GI	none	Score	.54
Exons	1868..2089, 2121..2259, 3525..3820		

Seq. No.	25830	Seq. ID	OJ990504_07.9C27.C80
Gene No.	53634	Strand	-
Start	1	End	2233
Name	OJ990504_07.9C27.C80.o1.np	Method	AAT/NAP
Start	1	End	2233
GI	2887500	Score	302

Exons	1..75, 404..514, 595..695, 1304..1389, 1968..2002, 2042..2233		
GI Descrip.	(AC002339) putative AP2 domain transcription factor [Arabidopsis thaliana]		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53635	Strand	+
Start	122	End	397
Name	OJ990504_07.9C27.C81.o1.gs	Method	GENSCAN
Start	122	End	397
GI	none	Score	.64
Exons	122..397		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53636	Strand	+
Start	9830	End	10153
Name	OJ990504_07.9C27.C81.o3.gs	Method	GENSCAN
Start	9830	End	10153
GI	none	Score	.53
Exons	9830..10153		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53637	Strand	+
Start	11136	End	11410
Name	OJ990504_07.9C27.C81.o2.gp	Method	AAT/GAP
Start	11136	End	11410
GI	none	Score	400
Exons	11136..11410		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53638	Strand	-
Start	677	End	6988
Name	OJ990504_07.9C27.C81.o2.gs	Method	GENSCAN
Start	677	End	6988
GI	none	Score	.81
Exons	677..733, 972..1019, 1819..2166, 2533..2766, 2874..3011, 3095..3397, 3848..4012, 4548..4827, 6822..6988		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53638	Strand	-
Start	677	End	6988
Name	OJ990504_07.9C27.C81.o1.gp	Method	AAT/GAP
Start	1929	End	2591
GI	2799515	Score	473
Exons	1929..2166, 2533..2591		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53639	Strand	-
Start	11405	End	12280
Name	OJ990504_07.9C27.C81.o1.tm	Method	TBLASTX:Maize
Start	2895	End	3352
GI	none	Score	121
Exons	2895..3014, 2895..3014, 2896..3015, 2903..3019, 3104..3178, 3109..3255, 3113..3262, 3166..3255, 3182..3247, 3250..3348, 3302..3352		
Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53639	Strand	-

Start	11405	End	12280
Name	OJ990504_07.9C27.C81.o4.gs	Method	GENSCAN
Start	11405	End	12277
GI	none	Score	.76
Exons	11405..12277		

Seq. No.	25831	Seq. ID	OJ990504_07.9C27.C81
Gene No.	53639	Strand	-
Start	11405	End	12280
Name	OJ990504_07.9C27.C81.o2.tm	Method	TBLASTX:Maize
Start	11997	End	12280
GI	none	Score	189
Exons	11997..12179, 11998..12171, 11999..12280		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53640	Strand	+
Start	7213	End	8974
Name	OJ990504_07.9C27.C82.o2.gs	Method	GENSCAN
Start	7213	End	8974
GI	none	Score	.85
Exons	7213..7330, 7679..7875, 7956..8036, 8168..8401, 8666..8974		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53641	Strand	-
Start	667	End	775
Name	OJ990504_07.9C27.C82.o1.gp	Method	AAT/GAP
Start	667	End	775
GI	none	Score	178
Exons	667..775		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53642	Strand	-
Start	3295	End	3705
Name	OJ990504_07.9C27.C82.o2.gp	Method	AAT/GAP
Start	3295	End	3699
GI	none	Score	496
Exons	3295..3551, 3630..3699		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53642	Strand	-
Start	3295	End	3705
Name	OJ990504_07.9C27.C82.o3.gp	Method	AAT/GAP
Start	3295	End	3705
GI	none	Score	497
Exons	3295..3551, 3630..3705		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-
Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o2.tm	Method	TBLASTX:Maize
Start	1	End	3355
GI	none	Score	73
Exons	1..93, 3..95, 4..81, 63..113, 85..123, 227..403, 229..393, 234..404, 271..408, 486..770, 555..761, 589..768, 3290..3355		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-

Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o2.ts	Method	TBLASTX:Soybean
Start	335	End	683
GI	none	Score	68
Exons	335..403, 486..683, 525..665, 589..678		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-
Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o4.tm	Method	TBLASTX:Maize
Start	5030	End	5343
GI	none	Score	60
Exons	5030..5101, 5031..5105, 5036..5161, 5040..5123, 5120..5341, 5121..5342, 5121..5342, 5176..5343		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-
Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o1.np	Method	AAT/NAP
Start	5036	End	5920
GI	3402705	Score	457
Exons	5036..5422, 5525..5920		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-
Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o1.ts	Method	TBLASTX:Soybean
Start	5051	End	5410
GI	none	Score	44
Exons	5051..5104, 5058..5105, 5156..5341, 5193..5342, 5360..5410, 5381..5410		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-
Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o3.tm	Method	TBLASTX:Maize
Start	5343	End	5746
GI	none	Score	72
Exons	5343..5423, 5351..5425, 5381..5425, 5519..5581, 5525..5683, 5526..5684, 5630..5746		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53643	Strand	-
Start	5036	End	5920
Name	OJ990504_07.9C27.C82.o3.ts	Method	TBLASTX:Soybean
Start	5549	End	5681
GI	none	Score	90
Exons	5549..5680, 5550..5681		

Seq. No.	25832	Seq. ID	OJ990504_07.9C27.C82
Gene No.	53644	Strand	
Start	7705	End	8386
Name	OJ990504_07.9C27.C82.o1.tm	Method	TBLASTX:Maize
Start	7705	End	8386
GI	none	Score	181
Exons	7705..7836, 7705..7818, 7706..7819, 7737..7832, 7837..7878,		

7837..7875, 7842..7877, 7949..8038, 7950..8042, 8162..8386, 8164..8385, 8180..8386

Seq. No.	25833	Seq. ID	OJ990504_07.9C27.C84
Gene No.	53645	Strand	+
Start	1	End	368
Name	OJ990504_07.9C27.C84.o1.np	Method	AAT/NAP
Start	1	End	273
GI	5903099	Score	136
Exons	1..273		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	25833	Seq. ID	OJ990504_07.9C27.C84
Gene No.	53645	Strand	+
Start	1	End	368
Name	OJ990504_07.9C27.C84.o1.tm	Method	TBLASTX:Maize
Start	62	End	368
GI	none	Score	182
Exons	62..175, 62..172, 69..209, 70..213, 223..270, 336..368		

Seq. No.	25833	Seq. ID	OJ990504_07.9C27.C84
Gene No.	53645	Strand	+
Start	1	End	368
Name	OJ990504_07.9C27.C84.o1.gs	Method	GENSCAN
Start	149	End	305
GI	none	Score	.48
Exons	149..305		

Seq. No.	25834	Seq. ID	OJ990504_07.9C27.C86
Gene No.	53646	Strand	+
Start	461	End	715
Name	OJ990504_07.9C27.C86.o1.gs	Method	GENSCAN
Start	461	End	715
GI	none	Score	.95
Exons	461..508, 686..715		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o1.np	Method	AAT/NAP
Start	137	End	2378
GI	5139333	Score	1097
Exons	137..339, 596..928, 1062..1163, 1873..2378		
GI Descrip.	(AL031018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	138	End	805
GI	none	Score	330
Exons	138..341, 139..342, 577..789, 581..805		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o2.tm	Method	TBLASTX:Maize

Start	138	End	354
GI	none	Score	364
Exons	138..338, 139..354		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o1.gs	Method	GENSCAN
Start	217	End	2174
GI	none	Score	.67
Exons	217..339, 596..928, 1062..1163, 1873..2174		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	595	End	880
GI	none	Score	506
Exons	595..879, 596..880		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o3.tm	Method	TBLASTX:Maize
Start	884	End	1163
GI	none	Score	61
Exons	884..937, 1062..1163, 1062..1163		

Seq. No.	25835	Seq. ID	OJ990714_02.9C17.C1
Gene No.	53647	Strand	+
Start	137	End	2378
Name	OJ990714_02.9C17.C1.o1.gp	Method	AAT/GAP
Start	1931	End	2170
GI	LIB3433-027-P1-K1-B11	Score	437
Exons	1931..2170		
GI Descrip.	'5139333/emb|CAB45564.1| 6.0e-42 (AL031018) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25836	Seq. ID	OJ990714_02.9C17.C2
Gene No.	53648	Strand	+
Start	8	End	322
Name	OJ990714_02.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	304
GI	none	Score	66
Exons	1..141, 1..210, 2..241, 233..304		

Seq. No.	25836	Seq. ID	OJ990714_02.9C17.C2
Gene No.	53648	Strand	+
Start	8	End	322
Name	OJ990714_02.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	2	End	322
GI	none	Score	234
Exons	2..235, 4..204, 239..322, 260..307		

Seq. No.	25836	Seq. ID	OJ990714_02.9C17.C2
Gene No.	53648	Strand	+
Start	8	End	322

Name	OJ990714_02.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	2	End	307
GI	none	Score	50
Exons	2..46, 47..307, 52..201		

Seq. No.	25836	Seq. ID	OJ990714_02.9C17.C2
Gene No.	53648	Strand	+
Start	8	End	322
Name	OJ990714_02.9C17.C2.o1.gs	Method	GENSCAN
Start	8	End	245
GI	none	Score	.99
Exons	8..245		

Seq. No.	25837	Seq. ID	OJ990714_02.9C17.C3
Gene No.	53649	Strand	+
Start	61	End	228
Name	OJ990714_02.9C17.C3.o1.gs	Method	GENSCAN
Start	61	End	228
GI	none	Score	.8
Exons	61..228		

Seq. No.	25838	Seq. ID	OJ990714_02.9C17.C4
Gene No.	53650	Strand	+
Start	136	End	279
Name	OJ990714_02.9C17.C4.o1.gs	Method	GENSCAN
Start	136	End	279
GI	none	Score	.74
Exons	136..279		

Seq. No.	25839	Seq. ID	OJ990714_02.9C17.C5
Gene No.	53651	Strand	+
Start	228	End	750
Name	OJ990714_02.9C17.C5.o1.gs	Method	GENSCAN
Start	228	End	750
GI	none	Score	.5
Exons	228..322, 351..750		

Seq. No.	25839	Seq. ID	OJ990714_02.9C17.C5
Gene No.	53651	Strand	+
Start	228	End	750
Name	OJ990714_02.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	421	End	678
GI	none	Score	63
Exons	421..480, 424..471, 427..678, 483..671		

Seq. No.	25839	Seq. ID	OJ990714_02.9C17.C5
Gene No.	53651	Strand	+
Start	228	End	750
Name	OJ990714_02.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	421	End	687
GI	none	Score	55
Exons	421..477, 427..687, 489..677		

Seq. No.	25839	Seq. ID	OJ990714_02.9C17.C5
Gene No.	53651	Strand	+
Start	228	End	750
Name	OJ990714_02.9C17.C5.o1.tc	Method	TBLASTX:Cress

Start	427	End	687
GI	none	Score	197
Exons	427..687, 483..677		

Seq. No.	25840	Seq. ID	OJ990714_02.9C17.C6
Gene No.	53652	Strand	+
Start	49	End	321
Name	OJ990714_02.9C17.C6.o1.gs	Method	GENSCAN
Start	49	End	321
GI	none	Score	.88
Exons	49..321		

Seq. No.	25840	Seq. ID	OJ990714_02.9C17.C6
Gene No.	53653	Strand	+
Start	3992	End	8905
Name	OJ990714_02.9C17.C6.o1.np	Method	AAT/NAP
Start	3992	End	4420
GI	6006375	Score	667
Exons	3992..4420		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	25840	Seq. ID	OJ990714_02.9C17.C6
Gene No.	53653	Strand	+
Start	3992	End	8905
Name	OJ990714_02.9C17.C6.o3.gs	Method	GENSCAN
Start	4313	End	8905
GI	none	Score	.52
Exons	4313..4397, 6116..6414, 8028..8225, 8347..8356, 8595..8905		

Seq. No.	25840	Seq. ID	OJ990714_02.9C17.C6
Gene No.	53654	Strand	+
Start	11267	End	12312
Name	OJ990714_02.9C17.C6.o4.gs	Method	GENSCAN
Start	11267	End	12312
GI	none	Score	.69
Exons	11267..11281, 11574..11658, 11814..11939, 12044..12312		

Seq. No.	25840	Seq. ID	OJ990714_02.9C17.C6
Gene No.	53655	Strand	-
Start	1082	End	3550
Name	OJ990714_02.9C17.C6.o2.gs	Method	GENSCAN
Start	1082	End	3550
GI	none	Score	.67
Exons	1082..1922, 1958..2073, 2450..3550		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53656	Strand	-
Start	1	End	2183
Name	OJ990714_02.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	2183
GI	4680179	Score	3486
Exons	1..2183		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53656	Strand	-

Start	1	End	2183
Name	OJ990714_02.9C17.C7.o1.gs	Method	GENSCAN
Start	71	End	2183
GI	none	Score	.6
Exons	71..140, 180..313, 986..1186, 1223..1520, 1659..2183		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53657	Strand	-
Start	2433	End	4863
Name	OJ990714_02.9C17.C7.o2.gs	Method	GENSCAN
Start	2433	End	4863
GI	none	Score	.6
Exons	2433..3377, 4488..4608, 4799..4863		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53657	Strand	-
Start	2433	End	4863
Name	OJ990714_02.9C17.C7.o2.np	Method	AAT/NAP
Start	2436	End	3311
GI	5042448	Score	1325
Exons	2436..3311		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53658	Strand	-
Start	5610	End	6505
Name	OJ990714_02.9C17.C7.o3.gs	Method	GENSCAN
Start	5610	End	6505
GI	none	Score	.94
Exons	5610..5863, 5908..5999, 6092..6237, 6362..6505		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	9	End	9690
GI	none	Score	167
Exons	9..347, 9..461, 19..348, 9400..9690, 9403..9666, 9443..9688		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	18	End	9513
GI	none	Score	43
Exons	18..89, 9013..9348, 9056..9106, 9131..9262, 9334..9513		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	157	End	9690
GI	none	Score	156
Exons	157..348, 159..446, 9581..9679, 9583..9690		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7

Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o8.tw	Method	TBLASTX:Wheat
Start	621	End	1037
GI	none	Score	88
Exons	621..782, 622..777, 828..1037, 889..987, 891..1001		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o7.tm	Method	TBLASTX:Maize
Start	1380	End	1676
GI	none	Score	111
Exons	1380..1676, 1392..1676		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o7.tw	Method	TBLASTX:Wheat
Start	1557	End	1933
GI	none	Score	100
Exons	1557..1916, 1558..1791, 1816..1917, 1817..1933		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o6.tm	Method	TBLASTX:Maize
Start	7037	End	7282
GI	none	Score	40
Exons	7037..7093, 7069..7281, 7070..7141, 7211..7282		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o4.gs	Method	GENSCAN
Start	7042	End	8682
GI	none	Score	.93
Exons	7042..7836, 8038..8682		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o3.np	Method	AAT/NAP
Start	7045	End	9690
GI	4680179	Score	4445
Exons	7045..9690		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o6.tw	Method	TBLASTX:Wheat
Start	7090	End	7422
GI	none	Score	96
Exons	7090..7422, 7091..7330, 7315..7395		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7

Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	7282	End	7869
GI	none	Score	245
Exons	7282..7710, 7283..7708, 7708..7869, 7715..7861		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	7423	End	8049
GI	none	Score	365
Exons	7423..8049, 7424..8047		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	7918	End	8209
GI	none	Score	249
Exons	7918..8208, 7922..8209		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	8008	End	8268
GI	none	Score	163
Exons	8008..8268, 8009..8263		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	8056	End	8538
GI	none	Score	231
Exons	8056..8538, 8057..8311, 8088..8318, 8089..8490		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	8539	End	9048
GI	none	Score	200
Exons	8539..9048, 8623..8970, 8705..9016		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	8611	End	8976
GI	none	Score	138
Exons	8611..8922, 8618..8908, 8623..8976, 8708..8974		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-

Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o5.gs	Method	GENSCAN
Start	8809	End	9564
GI	none	Score	.93
Exons	8809..9564		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o5.tw	Method	TBLASTX:Wheat
Start	9049	End	9351
GI	none	Score	255
Exons	9049..9351, 9050..9331, 9249..9350		

Seq. No.	25841	Seq. ID	OJ990714_02.9C17.C7
Gene No.	53659	Strand	-
Start	7042	End	9690
Name	OJ990714_02.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	9064	End	9459
GI	none	Score	166
Exons	9064..9423, 9065..9328, 9398..9427, 9415..9459, 9427..9459		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53660	Strand	+
Start	1322	End	3370
Name	OJ990714_02.9C17.C8.o1.np	Method	AAT/NAP
Start	1322	End	3370
GI	3236253	Score	1706
Exons	1322..1549, 1583..3370		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	1376	End	1888
GI	none	Score	193
Exons	1376..1549, 1411..1527, 1476..1541, 1592..1888, 1597..1836		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	1406	End	1993
GI	none	Score	121
Exons	1406..1543, 1408..1530, 1598..1699, 1700..1993, 1705..1854		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	1427	End	3371
GI	none	Score	114
Exons	1427..1600, 1441..1491, 1591..1857, 1592..1888, 1892..2194, 1909..2181, 2181..2462, 2309..2446, 2459..2653, 2464..2649, 2672..3034, 2707..2994, 3014..3250, 3127..3237, 3348..3371		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	1802	End	2059
GI	none	Score	97
Exons	1802..1891, 1804..1857, 1880..2059, 1933..2055		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	1895	End	2190
GI	none	Score	219
Exons	1895..2125, 1897..2136, 2125..2190, 2125..2190		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	2378	End	2887
GI	none	Score	99
Exons	2378..2461, 2379..2459, 2455..2649, 2465..2650, 2666..2887, 2666..2887		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	2429	End	3004
GI	none	Score	35
Exons	2429..2449, 2433..2462, 2458..2673, 2459..2674, 2671..2994, 2672..3001, 2678..3004, 2679..3002, 2803..3003		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	2522	End	2908
GI	none	Score	254
Exons	2522..2872, 2852..2908		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	2903	End	3214
GI	none	Score	251
Exons	2903..3214, 2938..3213		

Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	3013	End	3303
GI	none	Score	40

Exons	3013..3060, 3014..3289, 3014..3289, 3052..3303, 3127..3303		
Seq. No.	25842	Seq. ID	OJ990714_02.9C17.C8
Gene No.	53661	Strand	+
Start	4114	End	4179
Name	OJ990714_02.9C17.C8.o2.np	Method	AAT/NAP
Start	4114	End	4179
GI	5922615	Score	77
Exons	4114..4179		
GI Descrip.	(AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016848|dbj|BAA85191.1| (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	25843	Seq. ID	OJ990714_02.9C17.C9
Gene No.	53662	Strand	
Start	933	End	1943
Name	OJ990714_02.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	933	End	1853
GI	none	Score	265
Exons	933..1373, 1181..1387, 1413..1853		
Seq. No.	25843	Seq. ID	OJ990714_02.9C17.C9
Gene No.	53662	Strand	
Start	933	End	1943
Name	OJ990714_02.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	1611	End	1943
GI	none	Score	119
Exons	1611..1805, 1617..1793, 1812..1943, 1835..1936		
Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53663	Strand	+
Start	657	End	1033
Name	OJ990714_02.9C17.C10.o1.gs	Method	GENSCAN
Start	657	End	1033
GI	none	Score	.84
Exons	657..730, 904..1033		
Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53664	Strand	+
Start	2318	End	8510
Name	OJ990714_02.9C17.C10.o1.np	Method	AAT/NAP
Start	2312	End	5393
GI	4972051	Score	1023
Exons	2312..4252, 5367..5393		
GI Descrip.	(AL078470) serine/threonine-specific kinase like protein [Arabidopsis thaliana]		
Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53664	Strand	+
Start	2318	End	8510
Name	OJ990714_02.9C17.C10.o2.gs	Method	GENSCAN
Start	2318	End	8510
GI	none	Score	.47
Exons	2318..3495, 3536..4338, 6507..6564, 7104..7265, 8423..8510		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53665	Strand	+
Start	9029	End	9146
Name	OJ990714_02.9C17.C10.o1.gp	Method	AAT/GAP
Start	9029	End	9146
GI	5867_1.R1084	Score	145
Exons	9029..9146		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	2393	End	4264
GI	none	Score	55
Exons	2393..2473, 2543..2689, 2756..2824, 2861..2989, 3089..3130, 3452..3541, 3475..3543, 3546..3662, 3606..3689, 3657..4016, 3689..4015, 4125..4262, 4184..4264		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	3452	End	4024
GI	none	Score	74
Exons	3452..3541, 3463..3534, 3546..3662, 3601..3675, 3606..3674, 3689..4024, 3690..4016		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	3546	End	3905
GI	none	Score	150
Exons	3546..3665, 3629..3664, 3657..3905, 3686..3904		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	3546	End	3848
GI	none	Score	126
Exons	3546..3665, 3600..3698, 3657..3848		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	3921	End	4244
GI	none	Score	141
Exons	3921..4103, 3923..4015, 4125..4244		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	4041	End	4361
GI	none	Score	44
Exons	4041..4103, 4041..4073, 4137..4271, 4137..4274, 4175..4288, 4323..4361, 4328..4360		

Seq. No.	25844	Seq. ID	OJ990714_02.9C17.C10
Gene No.	53666	Strand	-
Start	5642	End	9264
Name	OJ990714_02.9C17.C10.o2.np	Method	AAT/NAP
Start	5642	End	9264
GI	4028547	Score	94
Exons	5642..5661, 9036..9264		
GI Descrip.	(AF093689) MEK kinase alpha [Dictyostelium discoideum]		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53667	Strand	+
Start	5552	End	9582
Name	OJ990714_02.9C17.C11.o1.np	Method	AAT/NAP
Start	5552	End	9582
GI	6325168	Score	110
Exons	5552..5573, 8208..8350, 9498..9582		
GI Descrip.	serum response factor-like protein; Rlm1p gi|3024551|sp|Q12224|RLM1_YEAST TRANSCRIPTION FACTOR RLM1 gi|2133105|pir||S61977 RLM1 protein - yeast (Saccharomyces cerevisiae) gi|1030721|dbj|BAA09658| (D63340) Rlm1 [Saccharomyces cerevisiae] gi|1151237 (U43281) Rlm1p,Lpg19p [Saccharomyces cerevisiae]		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53667	Strand	+
Start	5552	End	9582
Name	OJ990714_02.9C17.C11.o2.gp	Method	AAT/GAP
Start	8081	End	8350
GI	5867_1.R1084	Score	136
Exons	8081..8101, 8256..8350		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53668	Strand	+
Start	16336	End	21191
Name	OJ990714_02.9C17.C11.o4.gp	Method	AAT/GAP
Start	16220	End	17418
GI	4714616	Score	748
Exons	16220..16456, 17112..17210, 17331..17418		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11

Gene No.	53668	Strand	+
Start	16336	End	21191
Name	OJ990714_02.9C17.C11.o3.gs	Method	GENSCAN
Start	16336	End	21191
GI	none	Score	.47
Exons	16336..16456, 17112..17210, 17331..17416, 17524..17574, 17656..17799, 18231..18273, 19644..19943, 20193..20325, 20975..21191		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53668	Strand	+
Start	16336	End	21191
Name	OJ990714_02.9C17.C11.o5.gp	Method	AAT/GAP
Start	18839	End	19277
GI	4714617	Score	818
Exons	18839..19277		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 4.0e-57 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53669	Strand	+
Start	23028	End	24870
Name	OJ990714_02.9C17.C11.o4.np	Method	AAT/NAP
Start	23007	End	24870
GI	6069652	Score	80
Exons	23007..23197, 24852..24870		
GI Descrip.	(AP000616) similar to MADS-box protein AGL14 (U20184) [Oryza sativa]		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53669	Strand	+
Start	23028	End	24870
Name	OJ990714_02.9C17.C11.o4.gs	Method	GENSCAN
Start	23028	End	24294
GI	none	Score	.52
Exons	23028..23030, 23317..23521, 23614..23700, 23914..24027, 24104..24294		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o2.gs	Method	GENSCAN
Start	4474	End	11633
GI	none	Score	.56
Exons	4474..4617, 5343..5519, 8973..9131, 9828..10241, 10361..11327, 11596..11633		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o1.gp	Method	AAT/GAP
Start	7265	End	7320
GI	3759960	Score	59
Exons	7265..7320		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-

Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o3.tm	Method	TBLASTX:Maize
Start	9818	End	10009
GI	none	Score	179
Exons	9818..10009, 9824..10009		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o2.np	Method	AAT/NAP
Start	9836	End	11295
GI	3540181	Score	1168
Exons	9836..10510, 10591..11295		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	10010	End	10315
GI	none	Score	171
Exons	10010..10186, 10011..10220, 10211..10261, 10250..10315		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	10124	End	10517
GI	none	Score	40
Exons	10124..10189, 10125..10199, 10247..10516, 10295..10366, 10299..10517		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	10262	End	10732
GI	none	Score	131
Exons	10262..10309, 10295..10477, 10320..10463, 10496..10567, 10625..10732, 10627..10731		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	10634	End	11304
GI	none	Score	143
Exons	10634..10783, 10636..10773, 10807..10908, 10829..10906, 11014..11055, 11143..11196, 11230..11304, 11242..11298		

Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53670	Strand	-
Start	4474	End	11633
Name	OJ990714_02.9C17.C11.o3.gp	Method	AAT/GAP
Start	10831	End	11357
GI	uC-osroM202035e04b1	Score	1010
Exons	10831..11357		

GI Descrip.	'3540181 6.0e-21 (AC004122) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	25845	Seq. ID	OJ990714_02.9C17.C11
Gene No.	53671	Strand	
Start	17110	End	17549
Name	OJ990714_02.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	17110	End	17549
GI	none	Score	74
Exons	17110..17175, 17111..17176, 17171..17209, 17173..17211, 17330..17416, 17332..17418, 17332..17418, 17523..17549, 17524..17547		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53672	Strand	+
Start	2371	End	3078
Name	OJ990714_02.9C17.C12.o1.gs	Method	GENSCAN
Start	2371	End	3078
GI	none	Score	.99
Exons	2371..3078		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	2338	End	7541
GI	none	Score	70
Exons	2338..2664, 2390..2479, 2501..2665, 2671..3021, 2672..3004, 4623..4772, 4627..4767, 5191..5508, 5241..5456, 6962..7054, 7154..7390, 7155..7400, 7506..7541		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o1.np	Method	AAT/NAP
Start	2350	End	7613
GI	1769887	Score	1543
Exons	2350..3000, 4623..4766, 5241..5457, 6960..7053, 7156..7389, 7508..7613		
GI Descrip.	(X95736) amino acid permease 6 [Arabidopsis thaliana]		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o1.tc	Method	TBLASTX:Cress
Start	2359	End	7541
GI	none	Score	129
Exons	2359..2664, 2387..2665, 2674..2982, 2693..2983, 4615..4716, 4623..4772, 4627..4767, 5241..5447, 5241..5456, 5242..5496, 6962..7054, 7100..7297, 7154..7390, 7155..7400, 7491..7541		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	2384	End	5322
GI	none	Score	97

Exons	2384..2590, 2386..2652, 2695..3018, 2696..3004, 4623..4703, 4623..4703, 5239..5322, 5250..5321		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	2473	End	2859
GI	none	Score	111
Exons	2473..2667, 2498..2593, 2701..2859, 2702..2857		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o1.gp	Method	AAT/GAP
Start	2624	End	7709
GI	6891_1.R1084	Score	2394
Exons	2624..3000, 4623..4765, 5243..5457, 6960..7053, 7156..7389, 7508..7709		
GI Descrip.	'1769887/emb|CAA65051| 1.0e-151 (X95736) amino acid permease 6 [Arabidopsis thaliana]'		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o2.gs	Method	GENSCAN
Start	4012	End	10154
GI	none	Score	.75
Exons	4012..4077, 4623..4765, 5243..5457, 6915..7053, 7156..7389, 7508..7645, 10145..10154		
Seq. No.	25846	Seq. ID	OJ990714_02.9C17.C12
Gene No.	53673	Strand	-
Start	2350	End	10154
Name	OJ990714_02.9C17.C12.o2.tm	Method	TBLASTX:Maize
Start	6962	End	7391
GI	none	Score	63
Exons	6962..7036, 6962..7045, 6964..7038, 7154..7348, 7157..7390, 7158..7391		
Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53674	Strand	+
Start	1657	End	1911
Name	OJ990714_02.9C17.C13.o1.gs	Method	GENSCAN
Start	1657	End	1911
GI	none	Score	.6
Exons	1657..1911		
Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53675	Strand	+
Start	19050	End	19131
Name	OJ990714_02.9C17.C13.o4.gp	Method	AAT/GAP
Start	19050	End	19131
GI	38012_1.R1084	Score	105
Exons	19050..19131		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53676	Strand	+
Start	20528	End	23479
Name	OJ990714_02.9C17.C13.o2.np	Method	AAT/NAP
Start	20528	End	23479
GI	5852179	Score	330
Exons	20528..20548, 21537..21736, 21811..22042, 23452..23479		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53677	Strand	-
Start	7377	End	9040
Name	OJ990714_02.9C17.C13.o2.gs	Method	GENSCAN
Start	7377	End	9040
GI	none	Score	.49
Exons	7377..7474, 7823..8014, 9022..9040		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53678	Strand	-
Start	15002	End	18350
Name	OJ990714_02.9C17.C13.o1.gp	Method	AAT/GAP
Start	14721	End	15179
GI	26322_1.R1084	Score	863
Exons	14721..15179		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53678	Strand	-
Start	15002	End	18350
Name	OJ990714_02.9C17.C13.o3.gs	Method	GENSCAN
Start	15002	End	18267
GI	none	Score	.95
Exons	15002..15471, 15665..17987, 18169..18267		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53678	Strand	-
Start	15002	End	18350
Name	OJ990714_02.9C17.C13.o1.np	Method	AAT/NAP
Start	15005	End	18261
GI	2827715	Score	3501
Exons	15005..15102, 15160..15471, 15665..18261		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53678	Strand	-
Start	15002	End	18350
Name	OJ990714_02.9C17.C13.o2.gp	Method	AAT/GAP
Start	16371	End	16837
GI	2317499	Score	915
Exons	16371..16837		
GI Descrip.	2827715/emb|CAA16688| 2.0e-51 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13

Gene No.	53678	Strand	-
Start	15002	End	18350
Name	OJ990714_02.9C17.C13.o3.gp	Method	AAT/GAP
Start	17888	End	18350
GI	none	Score	774
Exons	17888..18350		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53679	Strand	-
Start	19739	End	20342
Name	OJ990714_02.9C17.C13.o5.gp	Method	AAT/GAP
Start	19739	End	20342
GI	3761363	Score	881
Exons	19739..20342		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53680	Strand	-
Start	20886	End	21136
Name	OJ990714_02.9C17.C13.o6.gp	Method	AAT/GAP
Start	20886	End	21136
GI	101153_1.R1084	Score	392
Exons	20886..21136		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o2.tw	Method	TBLASTX:Wheat
Start	15003	End	15277
GI	none	Score	153
Exons	15003..15044, 15137..15277, 15159..15272, 15176..15277		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o1.tc	Method	TBLASTX:Cress
Start	15123	End	17990
GI	none	Score	83
Exons	15123..15338, 15161..15310, 15318..15473, 15338..15472, 15664..16044, 15666..16064, 15666..16064, 15700..16065, 16068..16283, 16093..16266, 16407..16895, 16485..16910, 16485..16679, 16486..16644, 16488..16907, 16488..16727, 16488..16799, 16488..16898, 16506..16751, 16548..16901, 16581..16715, 16617..16898, 16632..16898, 16633..16716, 16653..16787, 16677..16940, 16696..16881, 16699..16875, 16725..16928, 16754..16801, 16909..17439, 16911..17312, 16911..17258, 16911..17450, 16923..17837, 16923..17330, 16923..17138, 16924..17805, 16989..17366, 17016..17177, 17022..17282, 17067..17474, 17139..17528, 17140..17388, 17211..17594, 17304..17480, 17412..17675, 17422..17526, 17445..17597, 17586..17885, 17598..17915, 17604..17909, 17610..17900, 17610..17777, 17628..17915, 17718..17909, 17853..17987, 17919..17990		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o3.tm	Method	TBLASTX:Maize
Start	15128	End	15391
GI	none	Score	249
Exons	15128..15391, 15153..15347, 15176..15376		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o1.ts	Method	TBLASTX:Soybean
Start	15152	End	17984
GI	none	Score	136
Exons	15152..15367, 15180..15347, 15185..15358, 15365..15472, 15371..15469, 15384..15473, 15664..15804, 15666..16181, 15666..16274, 15700..16266, 16404..16544, 16404..17723, 16408..16800, 16561..16815, 16924..17583, 17059..17517, 17500..17595, 17598..17984, 17598..17819, 17610..17909, 17619..17915, 17619..17885, 17637..17909, 17644..17745, 17646..17900, 17718..17900, 17745..17864		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	15398	End	16287
GI	none	Score	71
Exons	15398..15469, 15398..15472, 15649..16281, 15666..16286, 15666..16286, 15700..16287		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	15762	End	16085
GI	none	Score	244
Exons	15762..16085, 15763..16080		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o2.tm	Method	TBLASTX:Maize
Start	16295	End	17909
GI	none	Score	440
Exons	16295..16825, 16296..16826, 16306..16830, 16341..16829, 16554..16889, 16632..16895, 16923..17258, 16995..17321, 17061..17366, 17211..17513, 17284..17586, 17349..17594, 17356..17517, 17427..17594, 17494..17595, 17568..17699, 17592..17900, 17610..17765, 17646..17909, 17701..17802		

Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o3.tw	Method	TBLASTX:Wheat
Start	16488	End	18114
GI	none	Score	117

Exons	16488..16745, 16503..16829, 16575..16904, 16923..17177, 17010..17321, 17082..17366, 17154..17450, 17221..17544, 17229..17546, 17293..17586, 17298..17594, 17412..17600, 17610..17756, 17616..17909, 17661..17909, 18022..18114		
Seq. No.	25847	Seq. ID	OJ990714_02.9C17.C13
Gene No.	53681	Strand	-
Start	25694	End	26187
Name	OJ990714_02.9C17.C13.o7.gp	Method	AAT/GAP
Start	25694	End	26187
GI	576771	Score	833
Exons	25694..25948, 25975..26187		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		
Seq. No.	25848	Seq. ID	OJ990714_02.9C17.C14
Gene No.	53682	Strand	+
Start	516	End	775
Name	OJ990714_02.9C17.C14.o1.gs	Method	GENSCAN
Start	516	End	775
GI	none	Score	.55
Exons	516..554, 625..775		
Seq. No.	25849	Seq. ID	OJ990714_02.9C17.C15
Gene No.	53683	Strand	+
Start	2458	End	2867
Name	OJ990714_02.9C17.C15.o1.gp	Method	AAT/GAP
Start	2458	End	2867
GI	LIB3432-059-P1-K1-D8	Score	721
Exons	2458..2867		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	25849	Seq. ID	OJ990714_02.9C17.C15
Gene No.	53684	Strand	-
Start	109	End	4462
Name	OJ990714_02.9C17.C15.o1.gs	Method	GENSCAN
Start	109	End	3680
GI	none	Score	.62
Exons	109..279, 3609..3680		
Seq. No.	25849	Seq. ID	OJ990714_02.9C17.C15
Gene No.	53684	Strand	-
Start	109	End	4462
Name	OJ990714_02.9C17.C15.o1.np	Method	AAT/NAP
Start	3446	End	4462
GI	416990	Score	131
Exons	3446..3523, 3609..3680, 3875..3941, 4030..4100, 4174..4225, 4386..4462		
GI Descrip.	UDP-3-O-[3-HYDROXYMYRISTOYL] GLUCOSAMINE N-ACYLTRANSFERASE (FIRA PROTEIN) (RIFAMPICIN RESISTANCE PROTEIN) gi|349106 (L22690) rifampicin resistance protein [Rickettsia rickettsii]		
Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53685	Strand	+
Start	2469	End	3930
Name	OJ990714_02.9C17.C16.o2.gs	Method	GENSCAN

Start	2469	End	3930
GI	none	Score	.74
Exons	2469..2489, 3344..3473, 3701..3930		

Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53686	Strand	+
Start	6992	End	8962
Name	OJ990714_02.9C17.C16.o2.np	Method	AAT/NAP
Start	6992	End	8962
GI	5139333	Score	1140
Exons	6992..7381, 7464..7689, 7810..8061, 8138..8245, 8697..8792, 8875..8962		
GI Descrip.	(AL031018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53687	Strand	-
Start	112	End	1923
Name	OJ990714_02.9C17.C16.o1.np	Method	AAT/NAP
Start	112	End	1923
GI	2911079	Score	205
Exons	112..307, 426..604, 1902..1923		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53687	Strand	-
Start	112	End	1923
Name	OJ990714_02.9C17.C16.o1.gs	Method	GENSCAN
Start	175	End	840
GI	none	Score	.79
Exons	175..307, 426..627, 714..840		

Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53687	Strand	-
Start	112	End	1923
Name	OJ990714_02.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	229	End	625
GI	none	Score	117
Exons	229..306, 230..307, 423..608, 428..625		

Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53688	Strand	
Start	7485	End	8059
Name	OJ990714_02.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	7485	End	8059
GI	none	Score	67
Exons	7485..7535, 7486..7539, 7503..7667, 7539..7667, 7540..7668, 7782..8054, 7785..8054, 7834..8055, 7838..8059, 7840..8055		

Seq. No.	25850	Seq. ID	OJ990714_02.9C17.C16
Gene No.	53689	Strand	
Start	8181	End	8943
Name	OJ990714_02.9C17.C16.o3.tm	Method	TBLASTX:Maize
Start	8181	End	8943
GI	none	Score	58
Exons	8181..8222, 8182..8217, 8219..8251, 8220..8252, 8697..8792, 8697..8792, 8698..8805, 8858..8938, 8859..8939, 8875..8943, 8876..8941		

Seq. No.	25851	Seq. ID	OJ990714_08.9C17.C1
Gene No.	53690	Strand	-
Start	22	End	363
Name	OJ990714_08.9C17.C1.o1.gs	Method	GENSCAN
Start	22	End	363
GI	none	Score	.5
Exons	22..241, 284..363		

Seq. No.	25852	Seq. ID	OJ990714_08.9C17.C2
Gene No.	53691	Strand	+
Start	1	End	806
Name	OJ990714_08.9C17.C2.o1.np	Method	AAT/NAP
Start	1	End	806
GI	5295971	Score	717
Exons	1..806		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	25852	Seq. ID	OJ990714_08.9C17.C2
Gene No.	53691	Strand	+
Start	1	End	806
Name	OJ990714_08.9C17.C2.o2.ts	Method	TBLASTX:Soybean
Start	113	End	388
GI	none	Score	194
Exons	113..388, 209..289		

Seq. No.	25852	Seq. ID	OJ990714_08.9C17.C2
Gene No.	53691	Strand	+
Start	1	End	806
Name	OJ990714_08.9C17.C2.o1.gs	Method	GENSCAN
Start	131	End	770
GI	none	Score	.4
Exons	131..148, 176..770		

Seq. No.	25852	Seq. ID	OJ990714_08.9C17.C2
Gene No.	53691	Strand	+
Start	1	End	806
Name	OJ990714_08.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	248	End	732
GI	none	Score	91
Exons	248..388, 446..721, 463..732		

Seq. No.	25852	Seq. ID	OJ990714_08.9C17.C2
Gene No.	53691	Strand	+
Start	1	End	806
Name	OJ990714_08.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	451	End	710
GI	none	Score	249
Exons	451..675, 455..703, 470..709, 475..705, 483..710		

Seq. No.	25852	Seq. ID	OJ990714_08.9C17.C2
Gene No.	53691	Strand	+
Start	1	End	806
Name	OJ990714_08.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	482	End	703

GI	none	Score	196
Exons	482..703, 487..690		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o1.gp	Method	AAT/GAP
Start	1	End	1796
GI	342_1.R1084	Score	2728
Exons	1..1796		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	2361
GI	4680203	Score	1871
Exons	1..1793, 2277..2361		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o2.ts	Method	TBLASTX:Soybean
Start	306	End	548
GI	none	Score	202
Exons	306..548		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	378	End	843
GI	none	Score	63
Exons	378..572, 582..782, 582..842, 583..843		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	412	End	879
GI	none	Score	166
Exons	412..618, 417..641, 613..714, 619..711, 621..716, 621..719, 723..794, 727..810, 733..795, 791..871, 823..879		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	669	End	1015
GI	none	Score	67
Exons	669..797, 688..810, 838..1008, 863..1015		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-

Start	1	End	2361
Name	OJ990714_08.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	1036	End	1326
GI	none	Score	103
Exons	1036..1101, 1108..1326, 1112..1318		

Seq. No.	25853	Seq. ID	OJ990714_08.9C17.C3
Gene No.	53692	Strand	-
Start	1	End	2361
Name	OJ990714_08.9C17.C3.o2.tw	Method	TBLASTX:Wheat
Start	1098	End	1443
GI	none	Score	194
Exons	1098..1340, 1106..1348, 1108..1359, 1109..1351, 1357..1443		

Seq. No.	25854	Seq. ID	OJ990714_08.9C17.C4
Gene No.	53693	Strand	+
Start	1	End	793
Name	OJ990714_08.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	793
GI	2119980	Score	1329
Exons	1..793		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	25854	Seq. ID	OJ990714_08.9C17.C4
Gene No.	53693	Strand	+
Start	1	End	793
Name	OJ990714_08.9C17.C4.o1.gs	Method	GENSCAN
Start	182	End	773
GI	none	Score	.5
Exons	182..608, 681..773		

Seq. No.	25855	Seq. ID	OJ990714_08.9C17.C5
Gene No.	53694	Strand	+
Start	733	End	802
Name	OJ990714_08.9C17.C5.o1.gs	Method	GENSCAN
Start	733	End	802
GI	none	Score	.68
Exons	733..802		

Seq. No.	25856	Seq. ID	OJ990714_08.9C17.C6
Gene No.	53695	Strand	-
Start	183	End	552
Name	OJ990714_08.9C17.C6.o1.gs	Method	GENSCAN
Start	183	End	552
GI	none	Score	.47
Exons	183..276, 430..552		

Seq. No.	25857	Seq. ID	OJ990714_08.9C17.C7
Gene No.	53696	Strand	-
Start	7	End	199
Name	OJ990714_08.9C17.C7.o1.gs	Method	GENSCAN
Start	7	End	199
GI	none	Score	.53
Exons	7..199		

Seq. No.	25858	Seq. ID	OJ990714_08.9C17.C8
Gene No.	53697	Strand	+
Start	324	End	596
Name	OJ990714_08.9C17.C8.o1.gs	Method	GENSCAN
Start	324	End	596
GI	none	Score	.55
Exons	324..350, 468..596		

Seq. No.	25859	Seq. ID	OJ990714_08.9C17.C9
Gene No.	53698	Strand	+
Start	509	End	563
Name	OJ990714_08.9C17.C9.o1.gs	Method	GENSCAN
Start	509	End	563
GI	none	Score	.72
Exons	509..563		

Seq. No.	25859	Seq. ID	OJ990714_08.9C17.C9
Gene No.	53699	Strand	-
Start	121	End	577
Name	OJ990714_08.9C17.C9.o1.np	Method	AAT/NAP
Start	121	End	577
GI	6907088	Score	319
Exons	121..264, 440..577		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53700	Strand	+
Start	409	End	1695
Name	OJ990714_08.9C17.C10.o1.gs	Method	GENSCAN
Start	409	End	1692
GI	none	Score	1
Exons	409..1692		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53700	Strand	+
Start	409	End	1695
Name	OJ990714_08.9C17.C10.o1.gp	Method	AAT/GAP
Start	421	End	934
GI	none	Score	966
Exons	421..934		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53700	Strand	+
Start	409	End	1695
Name	OJ990714_08.9C17.C10.o1.np	Method	AAT/NAP
Start	581	End	1695
GI	6358800	Score	516
Exons	581..735, 802..1695		
GI Descrip.	(AC010675) putative pectin methylesterase [Arabidopsis thaliana]		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53701	Strand	+
Start	1639	End	2559
Name	OJ990714_08.9C17.C10.o2.gp	Method	AAT/GAP
Start	1639	End	2559
GI	none	Score	996
Exons	1639..1688, 2055..2559		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53702	Strand	+
Start	4640	End	6715
Name	OJ990714_08.9C17.C10.o3.gp	Method	AAT/GAP
Start	4584	End	6715
GI	29679_1.R1084	Score	3414
Exons	4584..5835, 6157..6715		
GI Descrip.	'4415916/gb|AAD20147| 4.0e-25 (AC006282) putative pectin methylesterase [Arabidopsis thaliana]'		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53702	Strand	+
Start	4640	End	6715
Name	OJ990714_08.9C17.C10.o2.gs	Method	GENSCAN
Start	4640	End	5839
GI	none	Score	.89
Exons	4640..5839		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	640	End	5688
GI	none	Score	41
Exons	640..666, 679..786, 808..891, 820..1410, 837..1412, 1413..1544, 1414..1542, 4765..4800, 4823..4954, 4825..4932, 4937..5554, 4981..5553, 5257..5580, 5557..5688, 5558..5686		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	715	End	5675
GI	none	Score	69
Exons	715..786, 820..882, 837..884, 885..1415, 886..1416, 4837..4929, 4859..4972, 4937..5026, 4981..5028, 5029..5559, 5030..5560, 5562..5615, 5619..5675		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	718	End	5835
GI	none	Score	41
Exons	718..786, 834..863, 886..996, 918..1007, 1014..1169, 1015..1179, 1168..1338, 1182..1292, 1372..1416, 1413..1538, 1414..1506, 1558..1686, 1560..1700, 4862..4930, 4934..5026, 5030..5140, 5158..5313, 5159..5323, 5312..5482, 5326..5424, 5516..5560, 5557..5682, 5558..5650, 5702..5821, 5704..5835		

Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	895	End	5482
GI	none	Score	49

Exons	895..993, 1006..1338, 1008..1292, 5150..5482, 5152..5436		
Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o3.gs	Method	GENSCAN
Start	7853	End	10550
GI	none	Score	.8
Exons	7853..8048, 8530..8881, 9205..9343, 9453..9619, 9717..9938, 10062..10233, 10305..10550		
Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o2.np	Method	AAT/NAP
Start	7880	End	10891
GI	6685165	Score	1515
Exons	7880..8032, 8532..8624, 8712..8881, 9205..9343, 9453..9619, 9717..9939, 10066..10233, 10305..10538, 10627..10891		
GI Descrip.	(AF219380) beta-glucosidase [Arabidopsis thaliana]		
Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o3.ts	Method	TBLASTX:Soybean
Start	8524	End	8812
GI	none	Score	73
Exons	8524..8706, 8528..8611, 8532..8705, 8545..8706, 8753..8812, 8754..8801		
Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	8526	End	8800
GI	none	Score	243
Exons	8526..8717, 8526..8705, 8700..8798, 8753..8800		
Seq. No.	25860	Seq. ID	OJ990714_08.9C17.C10
Gene No.	53703	Strand	+
Start	7853	End	10891
Name	OJ990714_08.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	10089	End	10779
GI	none	Score	204
Exons	10089..10235, 10090..10233, 10093..10236, 10301..10537, 10302..10538, 10303..10539, 10330..10554, 10625..10771, 10626..10760, 10626..10775, 10627..10779		
Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53704	Strand	+
Start	15	End	645
Name	OJ990714_08.9C17.C11.o1.gs	Method	GENSCAN
Start	15	End	645
GI	none	Score	.84
Exons	15..108, 464..645		
Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11

Gene No.	53705	Strand	+
Start	2561	End	2696
Name	OJ990714_08.9C17.C11.o1.gp	Method	AAT/GAP
Start	2561	End	2696
GI	32880_1.R1084	Score	268
Exons	2561..2696		
GI Descrip.	'4337175/gb|AAD18096| 3.0e-23 (AC006416) ESTs gb_T20589, gb_T04648, gb_AA597906, gb_T04111, gb_R84180, gb_R65428, gb_T44439, gb_T76570, gb_R90004, gb_T45020, gb_T42457, gb_T20921, gb_AA042762 and gb_AA720210 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-
Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	6	End	590
GI	none	Score	124
Exons	6..110, 9..155, 25..111, 462..584, 462..590, 463..588		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-
Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o2.gs	Method	GENSCAN
Start	2318	End	2689
GI	none	Score	99
Exons	2318..2689		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-
Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o1.np	Method	AAT/NAP
Start	2363	End	2696
GI	2262104	Score	232
Exons	2363..2696		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana] gi|5668641|emb|CAB51656.1| (AL109619) putative protein [Arabidopsis thaliana]		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-
Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	2381	End	2696
GI	none	Score	57
Exons	2381..2473, 2394..2501, 2480..2695, 2484..2696		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-
Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	2384	End	2696
GI	none	Score	209
Exons	2384..2695, 2400..2696, 2400..2696		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-

Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	2391	End	2696
GI	none	Score	123
Exons	2391..2558, 2391..2468, 2396..2485, 2489..2695, 2490..2696		

Seq. No.	25861	Seq. ID	OJ990714_08.9C17.C11
Gene No.	53706	Strand	-
Start	2318	End	2696
Name	OJ990714_08.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	2408	End	2696
GI	none	Score	117
Exons	2408..2695, 2412..2696		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53707	Strand	+
Start	2472	End	12988
Name	OJ990714_08.9C17.C12.o2.gs	Method	GENSCAN
Start	2472	End	12988
GI	none	Score	.48
Exons	2472..2520, 4085..4164, 5620..5765, 5913..6001, 6565..6758, 6814..9195, 9259..9726, 9893..12988		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53707	Strand	+
Start	2472	End	12988
Name	OJ990714_08.9C17.C12.o1.np	Method	AAT/NAP
Start	7338	End	12985
GI	6498441	Score	6783
Exons	7338..8401, 8732..9195, 9259..9632, 9816..9951, 10126..10377, 10570..11041, 11213..12610, 12704..12985		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53708	Strand	-
Start	9	End	1158
Name	OJ990714_08.9C17.C12.o1.gs	Method	GENSCAN
Start	9	End	1158
GI	none	Score	.56
Exons	9..84, 1103..1158		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o6.tw	Method	TBLASTX:Wheat
Start	7486	End	7878
GI	none	Score	58
Exons	7486..7533, 7540..7638, 7545..7637, 7605..7844, 7621..7878		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o5.tm	Method	TBLASTX:Maize
Start	7491	End	7776
GI	none	Score	195

Exons	7491..7775, 7528..7776		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o5.tw	Method	TBLASTX:Wheat
Start	7886	End	11347
GI	none	Score	234
Exons	7886..7939, 10889..11137, 10913..11137, 10978..11151, 11198..11347, 11209..11346		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o3.tw	Method	TBLASTX:Wheat
Start	8616	End	9099
GI	none	Score	412
Exons	8616..8789, 8617..9099, 8811..9071, 8881..9075		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	9266	End	9729
GI	none	Score	202
Exons	9266..9709, 9267..9728, 9268..9729		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o3.ts	Method	TBLASTX:Soybean
Start	9307	End	9672
GI	none	Score	117
Exons	9307..9531, 9538..9672		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	9397	End	9744
GI	none	Score	389
Exons	9397..9744, 9432..9743		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o2.tw	Method	TBLASTX:Wheat
Start	9838	End	10263
GI	none	Score	62
Exons	9838..9909, 9863..10258, 9895..10263		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	9917	End	10288
GI	none	Score	271

Exons	9917..10288, 9934..10077		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o3.tm	Method	TBLASTX:Maize
Start	9982	End	10342
GI	none	Score	235
Exons	9982..10239, 9986..10240, 10259..10342, 10261..10341		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o2.ts	Method	TBLASTX:Soybean
Start	11036	End	11602
GI	5666795	Score	68
Exons	11036..11134, 11210..11347, 11402..11602		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o8.tw	Method	TBLASTX:Wheat
Start	11350	End	11662
GI	none	Score	190
Exons	11350..11526, 11402..11662		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o2.tm	Method	TBLASTX:Maize
Start	11855	End	12178
GI	none	Score	362
Exons	11855..12178, 11884..12165		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o4.tw	Method	TBLASTX:Wheat
Start	11992	End	12393
GI	none	Score	375
Exons	11992..12048, 11993..12373, 12094..12393		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o7.tw	Method	TBLASTX:Wheat
Start	12398	End	12976
GI	none	Score	242
Exons	12398..12658, 12400..12657, 12422..12712, 12850..12972, 12851..12976		
Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o4.tm	Method	TBLASTX:Maize
Start	12845	End	13015

GI	none	Score	197
Exons	12845..13015, 12850..13014		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o3.gs	Method	GENSCAN
Start	13634	End	16872
GI	none	Score	.93
Exons	13634..15515, 15611..15779, 15807..16872		

Seq. No.	25862	Seq. ID	OJ990714_08.9C17.C12
Gene No.	53709	Strand	-
Start	13634	End	16872
Name	OJ990714_08.9C17.C12.o2.np	Method	AAT/NAP
Start	13637	End	16872
GI	6907089	Score	4127
Exons	13637..15515, 15611..16872		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13
Gene No.	53710	Strand	+
Start	212	End	7632
Name	OJ990714_08.9C17.C13.o1.np	Method	AAT/NAP
Start	212	End	7632
GI	5042454	Score	96
Exons	212..929, 1281..1325, 7593..7632		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13
Gene No.	53710	Strand	+
Start	212	End	7632
Name	OJ990714_08.9C17.C13.o1.gs	Method	GENSCAN
Start	530	End	1225
GI	none	Score	.78
Exons	530..1225		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13
Gene No.	53710	Strand	+
Start	212	End	7632
Name	OJ990714_08.9C17.C13.o1.gp	Method	AAT/GAP
Start	2816	End	2959
GI	21474_1.R1084	Score	248
Exons	2816..2959		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13
Gene No.	53711	Strand	-
Start	3346	End	7061
Name	OJ990714_08.9C17.C13.o2.gs	Method	GENSCAN
Start	3346	End	7046
GI	none	Score	.77
Exons	3346..3531, 3584..3709, 3804..3876, 3961..4071, 4168..4341, 4451..5136, 5138..5232, 5409..5550, 5625..5744, 5790..7046		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13

Gene No.	53711	Strand	-
Start	3346	End	7061
Name	OJ990714_08.9C17.C13.o2.np	Method	AAT/NAP
Start	3364	End	7061
GI	4680204	Score	1064
Exons	3364..3501, 3852..4071, 4168..4341, 4451..5550, 5625..7061		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13
Gene No.	53711	Strand	-
Start	3346	End	7061
Name	OJ990714_08.9C17.C13.o2.tw	Method	TBLASTX:Wheat
Start	4002	End	4524
GI	none	Score	68
Exons	4002..4073, 4173..4355, 4180..4305, 4444..4524		

Seq. No.	25863	Seq. ID	OJ990714_08.9C17.C13
Gene No.	53711	Strand	-
Start	3346	End	7061
Name	OJ990714_08.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	6015	End	6418
GI	none	Score	74
Exons	6015..6185, 6148..6315, 6180..6416, 6267..6416, 6302..6418		

Seq. No.	25864	Seq. ID	OJ990714_08.9C17.C16
Gene No.	53712	Strand	+
Start	45	End	372
Name	OJ990714_08.9C17.C16.o1.np	Method	AAT/NAP
Start	45	End	372
GI	2353792	Score	109
Exons	45..372		
GI Descrip.	(AF016541) beta-galactosidase alpha peptide [Cloning vector pUC-JK]		

Seq. No.	25865	Seq. ID	OJ990714_08.9C17.C18
Gene No.	53713	Strand	+
Start	416	End	504
Name	OJ990714_08.9C17.C18.o1.gs	Method	GENSCAN
Start	416	End	504
GI	none	Score	.8
Exons	416..504		

Seq. No.	25866	Seq. ID	OJ990714_08.9C17.C19
Gene No.	53714	Strand	+
Start	703	End	805
Name	OJ990714_08.9C17.C19.o1.gs	Method	GENSCAN
Start	703	End	805
GI	none	Score	.66
Exons	703..805		

Seq. No.	25867	Seq. ID	OJ990714_08.9C17.C21
Gene No.	53715	Strand	+
Start	1	End	1429
Name	OJ990714_08.9C17.C21.o1.gp	Method	AAT/GAP
Start	1	End	1429
GI	342_1.R1084	Score	2135
Exons	1..976, 1025..1127, 1238..1429		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	25867	Seq. ID	OJ990714_08.9C17.C21
Gene No.	53715	Strand	+
Start	1	End	1429
Name	OJ990714_08.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	866
GI	4680203	Score	825
Exons	1..866		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25867	Seq. ID	OJ990714_08.9C17.C21
Gene No.	53715	Strand	+
Start	1	End	1429
Name	OJ990714_08.9C17.C21.o1.tw	Method	TBLASTX:Wheat
Start	1	End	812
GI	none	Score	312
Exons	1..411, 2..427, 418..453, 422..454, 455..550, 459..518, 497..637, 498..638, 566..646, 651..731, 720..812, 746..811		

Seq. No.	25867	Seq. ID	OJ990714_08.9C17.C21
Gene No.	53715	Strand	+
Start	1	End	1429
Name	OJ990714_08.9C17.C21.o1.gs	Method	GENSCAN
Start	53	End	887
GI	none	Score	.65
Exons	53..485, 682..887		

Seq. No.	25868	Seq. ID	OJ990714_08.9C17.C22
Gene No.	53716	Strand	+
Start	1	End	663
Name	OJ990714_08.9C17.C22.o1.np	Method	AAT/NAP
Start	1	End	663
GI	5922623	Score	56
Exons	1..43, 106..181, 634..663		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25868	Seq. ID	OJ990714_08.9C17.C22
Gene No.	53716	Strand	+
Start	1	End	663
Name	OJ990714_08.9C17.C22.o1.gs	Method	GENSCAN
Start	33	End	181
GI	none	Score	.85
Exons	33..87, 106..181		

Seq. No.	25869	Seq. ID	OJ990714_08.9C17.C24
Gene No.	53717	Strand	+
Start	1	End	641
Name	OJ990714_08.9C17.C24.o1.np	Method	AAT/NAP
Start	1	End	638
GI	6907089	Score	595
Exons	1..638		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25869	Seq. ID	OJ990714_08.9C17.C24
Gene No.	53717	Strand	+
Start	1	End	641
Name	OJ990714_08.9C17.C24.o1.gs	Method	GENSCAN
Start	346	End	641
GI	none	Score	.5
Exons	346..476, 566..641		

Seq. No.	25870	Seq. ID	OJ990714_08.9C17.C26
Gene No.	53718	Strand	+
Start	164	End	238
Name	OJ990714_08.9C17.C26.o1.gp	Method	AAT/GAP
Start	164	End	238
GI	LIB3431-004-P1-K1-G12	Score	91
Exons	164..238		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	25871	Seq. ID	OJ990714_08.9C17.C27
Gene No.	53719	Strand	+
Start	1277	End	1331
Name	OJ990714_08.9C17.C27.o1.gs	Method	GENSCAN
Start	1277	End	1331
GI	none	Score	.51
Exons	1277..1331		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53720	Strand	-
Start	37	End	3064
Name	OJ990714_08.9C17.C28.o1.np	Method	AAT/NAP
Start	37	End	2414
GI	2735017	Score	836
Exons	37..336, 508..658, 748..985, 1090..1300, 1492..1609, 2259..2414		
GI Descrip.	(U82481) KI domain interacting kinase 1 [Zea mays]		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53720	Strand	-
Start	37	End	3064
Name	OJ990714_08.9C17.C28.o1.gs	Method	GENSCAN
Start	508	End	3064
GI	none	Score	.83
Exons	508..658, 748..873, 1747..1845, 2149..2242, 2248..3064		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53720	Strand	-
Start	37	End	3064
Name	OJ990714_08.9C17.C28.o2.np	Method	AAT/NAP
Start	836	End	3030
GI	3021275	Score	460
Exons	836..996, 1025..1300, 1492..1637, 1747..1836, 2152..2414, 2447..2590, 2642..3030		
GI Descrip.	(AL022347) putative protein [Arabidopsis thaliana]		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53721	Strand	-
Start	4794	End	11600
Name	OJ990714_08.9C17.C28.o2.gs	Method	GENSCAN

Start	4794	End	11600
GI	none	Score	.5
Exons	4794..5162, 5275..5390, 7273..8263, 9507..9681, 11383..11600		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53721	Strand	-
Start	4794	End	11600
Name	OJ990714_08.9C17.C28.o3.np	Method	AAT/NAP
Start	6070	End	9474
GI	4680338	Score	475
Exons	6070..6107, 7194..7468, 7499..7945, 7976..8263, 9428..9474		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o1.tc	Method	TBLASTX:Cress
Start	92	End	1596
GI	none	Score	109
Exons	92..307, 124..336, 529..654, 557..646, 750..986, 751..963, 811..987, 1091..1300, 1092..1301, 1492..1596		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o1.tm	Method	TBLASTX:Maize
Start	112	End	1603
GI	none	Score	114
Exons	112..186, 166..336, 508..684, 563..685, 741..974, 748..987, 750..1001, 1091..1300, 1098..1301, 1492..1602, 1493..1603		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o1.ts	Method	TBLASTX:Soybean
Start	124	End	1578
GI	none	Score	73
Exons	124..336, 125..268, 508..657, 557..658, 729..890, 750..986, 751..963, 1091..1300, 1098..1301, 1492..1578		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o1.tw	Method	TBLASTX:Wheat
Start	637	End	1176
GI	none	Score	202
Exons	637..657, 744..986, 745..987, 756..986, 1047..1169, 1087..1176, 1091..1168, 1095..1175		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o2.ts	Method	TBLASTX:Soybean
Start	7301	End	7633
GI	none	Score	129
Exons	7301..7372, 7370..7453, 7517..7633		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o3.tm	Method	TBLASTX:Maize
Start	7301	End	8132
GI	none	Score	67
Exons	7301..7363, 7370..7453, 7493..7645, 7994..8131, 8040..8132		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o4.np	Method	AAT/NAP
Start	12890	End	19730
GI	1628482	Score	623
Exons	12890..14427, 14698..15026, 15251..15336, 16209..16365, 16789..17048, 17083..18058, 19650..19730		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o3.gs	Method	GENSCAN
Start	12963	End	19683
GI	none	Score	.78
Exons	12963..14427, 17090..17425, 17512..17711, 17758..18150, 19624..19683		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o2.tm	Method	TBLASTX:Maize
Start	13188	End	17502
GI	none	Score	72
Exons	13188..13316, 13191..13316, 13305..13376, 13599..13832, 13608..13859, 13848..13910, 13849..13917, 13859..13963, 13995..14099, 14008..14100, 14094..14138, 14139..14291, 14205..14306, 14316..14345, 14317..14370, 17432..17491, 17434..17502		

Seq. No.	25872	Seq. ID	OJ990714_08.9C17.C28
Gene No.	53722	Strand	-
Start	12963	End	19730
Name	OJ990714_08.9C17.C28.o2.tw	Method	TBLASTX:Wheat
Start	13606	End	17678
GI	none	Score	55
Exons	13606..13689, 13608..13703, 14001..14222, 14008..14208, 14013..14222, 17547..17678		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53723	Strand	+
Start	91	End	4947
Name	OJ990714_08.9C17.C29.o1.np	Method	AAT/NAP
Start	91	End	4789
GI	3850823	Score	1658
Exons	91..149, 880..1151, 1333..1443, 1824..1885, 2922..2995, 3105..3146, 3229..3288, 3427..4047, 4159..4294, 4511..4578, 4655..4789		

GI Descrip.	(Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53723	Strand	+
Start	91	End	4947
Name	OJ990714_08.9C17.C29.o1.gp	Method	AAT/GAP
Start	869	End	3459
GI	13029_1.R1084	Score	1180
Exons	869..1151, 1339..1443, 1824..1900, 2931..2995, 3105..3146, 3229..3288, 3427..3459		
GI Descrip.	'3850823/emb|CAA77136| 4.0e-19 (Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53723	Strand	+
Start	91	End	4947
Name	OJ990714_08.9C17.C29.o1.gs	Method	GENSCAN
Start	871	End	4792
GI	none	Score	.85
Exons	871..1151, 1339..1443, 2931..2995, 3229..3288, 3427..4047, 4159..4294, 4511..4578, 4655..4792		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53723	Strand	+
Start	91	End	4947
Name	OJ990714_08.9C17.C29.o2.gp	Method	AAT/GAP
Start	4211	End	4947
GI	uC-osflcyp152a05a1	Score	838
Exons	4211..4294, 4511..4578, 4655..4947		
GI Descrip.	'3850821/emb|CAA77135| 1.0e-33 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53724	Strand	+
Start	5349	End	5753
Name	OJ990714_08.9C17.C29.o3.gp	Method	AAT/GAP
Start	5349	End	5753
GI	uC-osflcyp131e07a1	Score	798
Exons	5349..5753		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53725	Strand	+
Start	5845	End	11537
Name	OJ990714_08.9C17.C29.o2.np	Method	AAT/NAP
Start	5845	End	11537
GI	5295971	Score	3591
Exons	5845..5872, 7270..8237, 8265..11537		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53725	Strand	+
Start	5845	End	11537

Name	OJ990714_08.9C17.C29.o3.gs	Method	GENSCAN
Start	6875	End	11522
GI	none	Score	.72
Exons	6875..6880, 7149..11522		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53726	Strand	+
Start	16856	End	20100
Name	OJ990714_08.9C17.C29.o5.np	Method	AAT/NAP
Start	16856	End	20100
GI	3063699	Score	86
Exons	16856..17099, 18103..18373, 20077..20100		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53727	Strand	-
Start	5574	End	6641
Name	OJ990714_08.9C17.C29.o2.gs	Method	GENSCAN
Start	5574	End	6641
GI	none	Score	.5
Exons	5574..6641		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	1066	End	4792
GI	none	Score	58
Exons	1066..1122, 1118..1150, 2936..2992, 2951..2989, 3101..3160, 3101..3145, 3226..3288, 3226..3288, 3420..4016, 3424..4014, 3429..4082, 3430..4020, 3746..4051, 4152..4217, 4155..4301, 4156..4299, 4156..4302, 4272..4325, 4495..4593, 4509..4592, 4510..4593, 4651..4791, 4652..4792		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o1.ts	Method	TBLASTX:Soybean
Start	3208	End	4581
GI	none	Score	113
Exons	3208..3288, 3228..3287, 3420..3983, 3423..3947, 3424..4008, 3988..4014, 4156..4296, 4156..4296, 4495..4581, 4509..4580		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o1.tw	Method	TBLASTX:Wheat
Start	3441	End	3714
GI	none	Score	417
Exons	3441..3713, 3450..3713, 3451..3714		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o2.tc	Method	TBLASTX:Cress
Start	3787	End	4048
GI	none	Score	331

Exons	3787..4014, 3787..3981, 3788..4048, 3789..4016		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o5.tc	Method	TBLASTX:Cress
Start	4156	End	4834
GI	none	Score	91
Exons	4156..4293, 4171..4287, 4509..4592, 4510..4593, 4652..4801, 4654..4779, 4802..4834		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o9.tm	Method	TBLASTX:Maize
Start	5937	End	6344
GI	none	Score	163
Exons	5937..6023, 6084..6344		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o6.tw	Method	TBLASTX:Wheat
Start	7488	End	7838
GI	none	Score	201
Exons	7488..7838		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o8.tm	Method	TBLASTX:Maize
Start	7562	End	7889
GI	none	Score	210
Exons	7562..7888, 7563..7889		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o5.tm	Method	TBLASTX:Maize
Start	8319	End	8790
GI	none	Score	48
Exons	8319..8405, 8381..8788, 8382..8600, 8390..8611, 8634..8789, 8695..8790		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o3.tw	Method	TBLASTX:Wheat
Start	8403	End	8843
GI	none	Score	286
Exons	8403..8768, 8417..8533, 8555..8683, 8769..8843		
Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o5.ts	Method	TBLASTX:Soybean
Start	8793	End	9068

GI	none	Score	197
Exons	8793..9068, 8889..8969		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o4.tw	Method	TBLASTX:Wheat
Start	8928	End	9488
GI	none	Score	93
Exons	8928..9068, 9126..9389, 9143..9352, 9398..9472, 9399..9488		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o3.tm	Method	TBLASTX:Maize
Start	9131	End	9560
GI	none	Score	400
Exons	9131..9355, 9135..9476, 9150..9419, 9398..9466, 9489..9560		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o4.ts	Method	TBLASTX:Soybean
Start	9162	End	9641
GI	none	Score	383
Exons	9162..9608, 9167..9457, 9453..9641		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o3.tc	Method	TBLASTX:Cress
Start	9177	End	9614
GI	none	Score	255
Exons	9177..9614		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o3.ts	Method	TBLASTX:Soybean
Start	9957	End	10481
GI	5509260	Score	454
Exons	9957..10481, 10076..10465		
GI Descrip.	-		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o4.tm	Method	TBLASTX:Maize
Start	10023	End	10343
GI	none	Score	418
Exons	10023..10343, 10082..10342		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o4.tc	Method	TBLASTX:Cress
Start	10121	End	10382

GI	none	Score	241
Exons	10121..10348, 10122..10382		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o2.tw	Method	TBLASTX:Wheat
Start	10163	End	10712
GI	none	Score	296
Exons	10163..10294, 10164..10508, 10319..10426, 10494..10712		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o6.tm	Method	TBLASTX:Maize
Start	10545	End	10808
GI	none	Score	293
Exons	10545..10808, 10545..10805, 10628..10807		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o7.tw	Method	TBLASTX:Wheat
Start	10722	End	11003
GI	none	Score	62
Exons	10722..10826, 10851..11003		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o2.tm	Method	TBLASTX:Maize
Start	10812	End	11261
GI	none	Score	273
Exons	10812..11048, 10819..10986, 10820..11011, 11035..11241, 11046..11261, 11105..11260		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o1.tc	Method	TBLASTX:Cress
Start	10851	End	11510
GI	none	Score	152
Exons	10851..11033, 11040..11144, 11142..11255, 11292..11510, 11300..11467		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o2.ts	Method	TBLASTX:Soybean
Start	10872	End	11521
GI	none	Score	456
Exons	10872..11513, 11126..11521		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o5.tw	Method	TBLASTX:Wheat

Start	11055	End	11480
GI	none	Score	161
Exons	11055..11264, 11144..11263, 11300..11473, 11301..11480		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o7.tm	Method	TBLASTX:Maize
Start	11272	End	11509
GI	none	Score	229
Exons	11272..11490, 11273..11509, 11277..11507		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o4.gs	Method	GENSCAN
Start	11964	End	18337
GI	none	Score	.54
Exons	11964..12058, 12099..13179, 13842..14479, 16003..16164, 16251..16433, 16629..16714, 17052..17418, 18223..18337		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o3.np	Method	AAT/NAP
Start	12130	End	12636
GI	3320425	Score	369
Exons	12130..12636		
GI Descrip.	(AF052396) resistance protein [Hordeum vulgare]		

Seq. No.	25873	Seq. ID	OJ990714_08.9C17.C29
Gene No.	53728	Strand	-
Start	11964	End	18337
Name	OJ990714_08.9C17.C29.o10.tm	Method	TBLASTX:Maize
Start	12370	End	12654
GI	none	Score	106
Exons	12370..12528, 12371..12532, 12376..12534, 12516..12578, 12523..12615, 12523..12615, 12568..12654, 12576..12650		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53729	Strand	+
Start	1	End	4148
Name	OJ990714_08.9C17.C30.o1.np	Method	AAT/NAP
Start	1	End	3488
GI	4680203	Score	3334
Exons	1..62, 171..1844, 1998..2228, 2505..3488		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53729	Strand	+
Start	1	End	4148
Name	OJ990714_08.9C17.C30.o2.gp	Method	AAT/GAP
Start	175	End	4148
GI	342_1.R1084	Score	6330
Exons	175..4148		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53730	Strand	-
Start	3122	End	3556
Name	OJ990714_08.9C17.C30.o4.gp	Method	AAT/GAP
Start	3122	End	3556
GI	LIB3431-028-P1-N1-A10	Score	669
Exons	3122..3556		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o4.tw	Method	TBLASTX:Wheat
Start	522	End	878
GI	none	Score	103
Exons	522..629, 612..863, 620..862, 621..878, 622..873		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o1.ts	Method	TBLASTX:Soybean
Start	794	End	1223
GI	none	Score	102
Exons	794..877, 795..869, 870..932, 927..1223, 981..1205		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o2.tc	Method	TBLASTX:Cress
Start	956	End	1304
GI	none	Score	309
Exons	956..1108, 963..1304, 1148..1285		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o2.tw	Method	TBLASTX:Wheat
Start	1092	End	1561
GI	none	Score	75
Exons	1092..1145, 1100..1144, 1146..1250, 1157..1246, 1254..1352, 1259..1351, 1332..1556, 1352..1561, 1355..1561		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o1.tm	Method	TBLASTX:Maize
Start	1137	End	1595
GI	none	Score	247
Exons	1137..1391, 1149..1391, 1401..1595		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o2.ts	Method	TBLASTX:Soybean
Start	1425	End	1667

GI	none	Score	216
Exons	1425..1667		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o3.tw	Method	TBLASTX:Wheat
Start	1700	End	2111
GI	none	Score	87
Exons	1700..1750, 1701..1763, 1769..1951, 1773..1991, 1780..1992, 2024..2110, 2025..2111		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o1.tw	Method	TBLASTX:Wheat
Start	2112	End	3428
GI	none	Score	902
Exons	2112..3029, 2115..2210, 2159..3013, 3004..3069, 3024..3068, 3071..3166, 3075..3134, 3113..3253, 3114..3242, 3144..3260, 3182..3262, 3266..3319, 3267..3347, 3336..3428, 3340..3411, 3362..3427		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o2.tm	Method	TBLASTX:Maize
Start	2154	End	2468
GI	none	Score	307
Exons	2154..2468, 2165..2440		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o1.tc	Method	TBLASTX:Cress
Start	2395	End	2847
GI	none	Score	157
Exons	2395..2577, 2399..2836, 2399..2842, 2403..2846, 2596..2847, 2697..2846		

Seq. No.	25874	Seq. ID	OJ990714_08.9C17.C30
Gene No.	53731	Strand	-
Start	3952	End	4646
Name	OJ990714_08.9C17.C30.o2.gs	Method	GENSCAN
Start	3952	End	4646
GI	none	Score	.93
Exons	3952..3959, 4435..4646		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53732	Strand	+
Start	832	End	17807
Name	OJ990714_08.9C17.C31.o1.np	Method	AAT/NAP
Start	832	End	17807
GI	4680204	Score	900
Exons	832..2265, 2359..2863, 9801..9876, 17783..17807		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53732	Strand	+
Start	832	End	17807
Name	OJ990714_08.9C17.C31.o1.gs	Method	GENSCAN
Start	967	End	5936
GI	none	Score	.64
Exons	967..1992, 2080..2265, 2338..2552, 2790..3214, 5266..5349, 5839..5936		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53732	Strand	+
Start	832	End	17807
Name	OJ990714_08.9C17.C31.o1.gp	Method	AAT/GAP
Start	4434	End	4693
GI	61605_3.R1084	Score	370
Exons	4434..4693		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53732	Strand	+
Start	832	End	17807
Name	OJ990714_08.9C17.C31.o3.gp	Method	AAT/GAP
Start	10540	End	10668
GI	LIB3477-003-P1-K1-E9	Score	162
Exons	10540..10668		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53732	Strand	+
Start	832	End	17807
Name	OJ990714_08.9C17.C31.o2.np	Method	AAT/NAP
Start	11075	End	11410
GI	2967837	Score	182
Exons	11075..11410		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53733	Strand	+
Start	23593	End	25355
Name	OJ990714_08.9C17.C31.o4.np	Method	AAT/NAP
Start	23593	End	25355
GI	6907086	Score	1153
Exons	23593..24326, 24393..24443, 24506..24744, 24964..25355		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53734	Strand	+
Start	26803	End	28065
Name	OJ990714_08.9C17.C31.o6.gs	Method	GENSCAN
Start	26803	End	28065
GI	none	Score	.56
Exons	26803..26869, 27612..27655, 27973..28065		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53735	Strand	-
Start	8597	End	9108
Name	OJ990714_08.9C17.C31.o2.gp	Method	AAT/GAP
Start	8597	End	9108
GI	5867_1.R1084	Score	138
Exons	8597..8686, 9086..9108		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53736	Strand	-
Start	18698	End	20803
Name	OJ990714_08.9C17.C31.o3.gs	Method	GENSCAN
Start	18698	End	20803
GI	none	Score	.81
Exons	18698..20803		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53737	Strand	-
Start	22028	End	22595
Name	OJ990714_08.9C17.C31.o4.gs	Method	GENSCAN
Start	22028	End	22595
GI	none	Score	.82
Exons	22028..22074, 22541..22595		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53738	Strand	-
Start	28669	End	30927
Name	OJ990714_08.9C17.C31.o1.tw	Method	TBLASTX:Wheat
Start	1474	End	1875
GI	none	Score	205
Exons	1474..1710, 1534..1701, 1581..1715, 1704..1865, 1705..1875, 1765..1875		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53738	Strand	-
Start	28669	End	30927
Name	OJ990714_08.9C17.C31.o7.gs	Method	GENSCAN
Start	28669	End	30848
GI	none	Score	.43
Exons	28669..28914, 29137..29504, 29924..29930, 30153..30224, 30331..30848		

Seq. No.	25875	Seq. ID	OJ990714_08.9C17.C31
Gene No.	53738	Strand	-
Start	28669	End	30927
Name	OJ990714_08.9C17.C31.o5.np	Method	AAT/NAP
Start	30518	End	30927
GI	6862929	Score	110
Exons	30518..30704, 30807..30927		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	25876	Seq. ID	OJ990714_08.9C17.C32
Gene No.	53739	Strand	-
Start	1	End	1995
Name	OJ990714_08.9C17.C32.o1.np	Method	AAT/NAP
Start	1	End	1995
GI	4467124	Score	779
Exons	1..1303, 1924..1995		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25876	Seq. ID	OJ990714_08.9C17.C32
Gene No.	53739	Strand	-
Start	1	End	1995
Name	OJ990714_08.9C17.C32.o1.ts	Method	TBLASTX:Soybean
Start	14	End	697
GI	none	Score	141
Exons	14..118, 137..283, 353..697, 381..692, 563..697		

Seq. No.	25876	Seq. ID	OJ990714_08.9C17.C32
Gene No.	53739	Strand	-
Start	1	End	1995
Name	OJ990714_08.9C17.C32.o1.tm	Method	TBLASTX:Maize
Start	26	End	650
GI	none	Score	316
Exons	26..649, 72..641, 453..650		

Seq. No.	25876	Seq. ID	OJ990714_08.9C17.C32
Gene No.	53739	Strand	-
Start	1	End	1995
Name	OJ990714_08.9C17.C32.o1.gs	Method	GENSCAN
Start	38	End	1956
GI	none	Score	.75
Exons	38..1240, 1337..1441, 1630..1697, 1893..1956		

Seq. No.	25876	Seq. ID	OJ990714_08.9C17.C32
Gene No.	53739	Strand	-
Start	1	End	1995
Name	OJ990714_08.9C17.C32.o1.tw	Method	TBLASTX:Wheat
Start	350	End	527
GI	none	Score	104
Exons	350..526, 351..527		

Seq. No.	25876	Seq. ID	OJ990714_08.9C17.C32
Gene No.	53739	Strand	-
Start	1	End	1995
Name	OJ990714_08.9C17.C32.o1.tc	Method	TBLASTX:Cress
Start	452	End	760
GI	none	Score	59
Exons	452..760, 555..668		

Seq. No.	25877	Seq. ID	OJ990714_08.9C17.C34
Gene No.	53740	Strand	-
Start	472	End	617
Name	OJ990714_08.9C17.C34.o1.gs	Method	GENSCAN
Start	472	End	617
GI	none	Score	.66
Exons	472..617		

Seq. No.	25878	Seq. ID	OJ990714_08.9C17.C35
Gene No.	53741	Strand	
Start	2437	End	2712
Name	OJ990714_08.9C17.C35.o1.tm	Method	TBLASTX:Maize
Start	2437	End	2712
GI	none	Score	174
Exons	2437..2619, 2448..2582, 2599..2712		

Seq. No.	25879	Seq. ID	OJ990714_08.9C17.C36
Gene No.	53742	Strand	-
Start	127	End	625
Name	OJ990714_08.9C17.C36.o1.np	Method	AAT/NAP
Start	127	End	625
GI	4826399	Score	273
Exons	127..625		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	25879	Seq. ID	OJ990714_08.9C17.C36
Gene No.	53742	Strand	-
Start	127	End	625
Name	OJ990714_08.9C17.C36.o1.gs	Method	GENSCAN
Start	131	End	535
GI	none	Score	.54
Exons	131..535		

Seq. No.	25879	Seq. ID	OJ990714_08.9C17.C36
Gene No.	53742	Strand	-
Start	127	End	625
Name	OJ990714_08.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	257	End	625
GI	none	Score	172
Exons	257..625, 267..623, 485..625		

Seq. No.	25879	Seq. ID	OJ990714_08.9C17.C36
Gene No.	53742	Strand	-
Start	127	End	625
Name	OJ990714_08.9C17.C36.o1.ts	Method	TBLASTX:Soybean
Start	272	End	625
GI	none	Score	89
Exons	272..625, 462..620, 500..625		

Seq. No.	25879	Seq. ID	OJ990714_08.9C17.C36
Gene No.	53742	Strand	-
Start	127	End	625
Name	OJ990714_08.9C17.C36.o1.tc	Method	TBLASTX:Cress
Start	284	End	625
GI	none	Score	71
Exons	284..625, 285..413, 398..514, 441..623, 536..625		

Seq. No.	25880	Seq. ID	OJ990714_08.9C17.C38
Gene No.	53743	Strand	-
Start	565	End	757
Name	OJ990714_08.9C17.C38.o1.gp	Method	AAT/GAP
Start	565	End	757
GI	32880_1.R1084	Score	359
Exons	565..757		

GI Descrip.	'4337175/gb|AAD18096| 3.0e-23 (AC006416) ESTs gb_T20589, gb_T04648, gb_AA597906, gb_T04111, gb_R84180, gb_R65428, gb_T44439, gb_T76570, gb_R90004, gb_T45020, gb_T42457, gb_T20921, gb_AA042762 and gb_AA720210 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	25881	Seq. ID	OJ990714_08.9C17.C40
Gene No.	53744	Strand	-
Start	1	End	457
Name	OJ990714_08.9C17.C40.o1.np	Method	AAT/NAP
Start	1	End	457
GI	138044	Score	716
Exons	1..457		
GI Descrip.	PROTEINS 40A/40B gi|540744|pir||S04827 gene 40A protein - phage phi-80 gi|14803|emb|CAA31470| (X13065) gene 40A (AA 1 - 209) [Bacteriophage phi-80]		

Seq. No.	25881	Seq. ID	OJ990714_08.9C17.C40
Gene No.	53744	Strand	-
Start	1	End	457
Name	OJ990714_08.9C17.C40.o1.gs	Method	GENSCAN
Start	43	End	457
GI	none	Score	.48
Exons	43..457		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53745	Strand	+
Start	8924	End	15227
Name	OJ990414_03.9C03.C2.o2.gs	Method	GENSCAN
Start	8924	End	14577
GI	none	Score	.72
Exons	8924..9052, 9584..9796, 10056..10220, 10395..10629, 10854..11040, 11913..12010, 12306..12364, 12723..13508, 13738..14577		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53745	Strand	+
Start	8924	End	15227
Name	OJ990414_03.9C03.C2.o3.np	Method	AAT/NAP
Start	9557	End	11211
GI	6539588	Score	191
Exons	9557..9875, 11155..11211		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53745	Strand	+
Start	8924	End	15227
Name	OJ990414_03.9C03.C2.o2.gp	Method	AAT/GAP
Start	11495	End	12000
GI	43649_2.R1084	Score	767
Exons	11495..11633, 11737..12000		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53745	Strand	+
Start	8924	End	15227

Name	OJ990414_03.9C03.C2.o4.np	Method	AAT/NAP
Start	11866	End	15227
GI	4220455	Score	598
Exons	11866..12063, 12771..13521, 13748..14180, 14253..14548, 15190..15227		
GI Descrip.	(AC006216) Identical to gene gb|D88746 AR791 from Arabidopsis thaliana. [Arabidopsis thaliana]		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53745	Strand	+
Start	8924	End	15227
Name	OJ990414_03.9C03.C2.o3.gp	Method	AAT/GAP
Start	13267	End	13878
GI	LIB3477-010-P1-K1-F8	Score	678
Exons	13267..13508, 13738..13878		
GI Descrip.	'1669599/dbj|BAA13687| 2.0e-13 (D88746) AR791 [Arabidopsis thaliana]'		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53745	Strand	+
Start	8924	End	15227
Name	OJ990414_03.9C03.C2.o4.gp	Method	AAT/GAP
Start	14448	End	14853
GI	none	Score	788
Exons	14448..14853		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53746	Strand	+
Start	15187	End	17625
Name	OJ990414_03.9C03.C2.o5.np	Method	AAT/NAP
Start	15187	End	17625
GI	4493973	Score	180
Exons	15187..15214, 15974..16033, 17481..17625		
GI Descrip.	(AL034559) predicted using hexExon; MAL3P7.14 (PFC0925w), Hypothetical protein, len: 489 aa [Plasmodium falciparum]		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53747	Strand	-
Start	1	End	6235
Name	OJ990414_03.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	2932
GI	5430774	Score	203
Exons	1..46, 1204..1313, 2153..2255, 2843..2932		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53747	Strand	-
Start	1	End	6235
Name	OJ990414_03.9C03.C2.o1.gs	Method	GENSCAN
Start	1189	End	5876
GI	none	Score	.8
Exons	1189..1313, 1976..2023, 2153..2255, 2843..2959, 3094..3270, 5144..5255, 5332..5468, 5664..5876		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53747	Strand	-
Start	1	End	6235

Name	OJ990414_03.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	1977	End	2938
GI	none	Score	78
Exons	1977..2027, 1978..2028, 2136..2255, 2143..2256, 2151..2255, 2833..2937, 2834..2923, 2834..2938, 2835..2927, 2842..2937		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53747	Strand	-
Start	1	End	6235
Name	OJ990414_03.9C03.C2.o1.gp	Method	AAT/GAP
Start	2876	End	6235
GI	700823	Score	643
Exons	2876..2959, 3094..3270, 6116..6235		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53747	Strand	-
Start	1	End	6235
Name	OJ990414_03.9C03.C2.o2.np	Method	AAT/NAP
Start	5162	End	5847
GI	3128304	Score	119
Exons	5162..5255, 5335..5454, 5587..5847		
GI Descrip.	(AF010496) hypothetical protein [Rhodobacter capsulatus]		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53748	Strand	
Start	12831	End	14763
Name	OJ990414_03.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	12831	End	14177
GI	none	Score	48
Exons	12831..12872, 12915..13325, 13384..13464, 13750..13995, 13827..13988, 14097..14177		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53748	Strand	
Start	12831	End	14763
Name	OJ990414_03.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	12963	End	13228
GI	none	Score	332
Exons	12963..13217, 12976..13227, 12977..13228, 13043..13228		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53748	Strand	
Start	12831	End	14763
Name	OJ990414_03.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	13015	End	13475
GI	none	Score	205
Exons	13015..13326, 13016..13327, 13017..13328, 13099..13329, 13321..13473, 13395..13472, 13416..13475		

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53748	Strand	
Start	12831	End	14763
Name	OJ990414_03.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	13336	End	14763
GI	none	Score	190
Exons	13336..13512, 13395..13511, 13732..14064, 13735..14052, 13821..14135, 14043..14291, 14047..14106, 14113..14343,		

14118..14291, 14161..14343, 14340..14444, 14345..14485,
14496..14564, 14506..14568, 14610..14642, 14621..14662,
14668..14691, 14743..14763

Seq. No.	25882	Seq. ID	OJ990414_03.9C03.C2
Gene No.	53748	Strand	
Start	12831	End	14763
Name	OJ990414_03.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	13726	End	13995
GI	none	Score	258
Exons	13726..13995, 13821..13988		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53749	Strand	+
Start	476	End	705
Name	OJ990414_03.9C03.C3.o1.gp	Method	AAT/GAP
Start	476	End	705
GI	LIB3431-009-P1-N1-D10	Score	445
Exons	476..705		
GI Descrip.	'310316/gb|L19598|RICRTUB1X 7.0e-11 Rice beta-tubulin (RTUB-1) mRNA, complete cds'		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53750	Strand	+
Start	14714	End	15253
Name	OJ990414_03.9C03.C3.o2.np	Method	AAT/NAP
Start	14714	End	15253
GI	6069646	Score	233
Exons	14714..15253		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53751	Strand	-
Start	692	End	1377
Name	OJ990414_03.9C03.C3.o1.gs	Method	GENSCAN
Start	692	End	1377
GI	none	Score	.67
Exons	692..813, 1326..1377		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o2.gp	Method	AAT/GAP
Start	3092	End	4068
GI	5421_1.R1084	Score	1180
Exons	3092..3447, 3568..3632, 3851..4068		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o2.tm	Method	TBLASTX:Maize

Start	3244	End	3633
GI	none	Score	195
Exons	3244..3447, 3296..3448, 3541..3633, 3548..3631		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o2.gs	Method	GENSCAN
Start	3329	End	15213
GI	none	Score	.76
Exons	3329..3447, 3568..3703, 3851..4159, 4907..4993, 5047..5119, 5218..5289, 5716..5846, 8796..8881, 9605..9686, 11240..11291, 12987..13105, 13682..13806, 14010..14159, 14976..15213		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o1.np	Method	AAT/NAP
Start	5038	End	5873
GI	2062168	Score	277
Exons	5038..5119, 5218..5289, 5533..5601, 5716..5873		
GI Descrip.	(AC001645) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	5533	End	6898
GI	none	Score	60
Exons	5533..5604, 5535..5600, 5715..5858, 5716..5775, 5756..5848, 6839..6898		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	14781	End	15219
GI	none	Score	234
Exons	14781..14978, 14782..14994, 14782..15009, 15037..15219		

Seq. No.	25883	Seq. ID	OJ990414_03.9C03.C3
Gene No.	53752	Strand	-
Start	3329	End	15219
Name	OJ990414_03.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	14845	End	15210
GI	none	Score	200
Exons	14845..15210		

Seq. No.	25884	Seq. ID	OJ990414_03.9C03.C6
Gene No.	53753	Strand	+
Start	102	End	202
Name	OJ990414_03.9C03.C6.o1.gs	Method	GENSCAN
Start	102	End	202
GI	none	Score	.56
Exons	102..202		

Seq. No.	25884	Seq. ID	OJ990414_03.9C03.C6

Gene No.	53754	Strand	-
Start	534	End	912
Name	OJ990414_03.9C03.C6.o2.gs	Method	GENSCAN
Start	534	End	912
GI	none	Score	.62
Exons	534..717, 824..912		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53755	Strand	+
Start	149	End	578
Name	OJ990414_03.9C03.C7.o1.gp	Method	AAT/GAP
Start	149	End	578
GI	39147_1.R1084	Score	848
Exons	149..578		
GI Descrip.	'2911148/dbj|BAA24950| 1.0e-10 (AB005808) NADP-malic enzyme [Aloe arborescens]'		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53756	Strand	+
Start	8338	End	8400
Name	OJ990414_03.9C03.C7.o4.gp	Method	AAT/GAP
Start	8338	End	8400
GI	2280836	Score	65
Exons	8338..8400		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 2.0e-55 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o1.gs	Method	GENSCAN
Start	474	End	3806
GI	none	Score	.89
Exons	474..857, 1090..1332, 1442..1588, 1707..1790, 1896..1967, 2080..2175, 2272..2337, 2464..2569, 2676..2827, 3165..3360, 3718..3806		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	474	End	1305
GI	none	Score	328
Exons	474..860, 478..858, 916..1002, 926..1006, 1090..1305, 1091..1303		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	474	End	2493
GI	none	Score	358
Exons	474..866, 478..870, 908..1000, 916..1011, 923..1000, 1090..1332, 1103..1324, 1445..1615, 1451..1615, 1677..1793, 1679..1792, 1893..1970, 1896..1970, 2041..2175, 2072..2179, 2073..2174, 2080..2175, 2272..2343, 2273..2338, 2273..2344, 2464..2493		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7

Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	474	End	2779
GI	none	Score	159
Exons	474..770, 490..765, 759..848, 760..843, 916..1002, 938..1006, 1090..1332, 1091..1333, 1442..1615, 1443..1631, 1685..1714, 1707..1799, 1707..1793, 1896..1970, 1896..1970, 2080..2226, 2084..2176, 2272..2343, 2273..2353, 2464..2571, 2507..2575, 2675..2779, 2679..2771		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o1.np	Method	AAT/NAP
Start	477	End	3868
GI	1346485	Score	2159
Exons	477..857, 922..999, 1090..1332, 1442..1588, 1707..1790, 1896..1967, 2080..2175, 2272..2337, 2464..2569, 2676..2827, 3165..3360, 3718..3868		
GI Descrip.	NADP-DEPENDENT MALIC ENZYME (NADP-ME) gi|20469|emb|CAA39690| (X56233) malic enzyme [Populus balsamifera subsp. trichocarpa]		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o2.gp	Method	AAT/GAP
Start	781	End	1804
GI	64785_1.R1084	Score	1102
Exons	781..857, 922..999, 1090..1332, 1442..1588, 1707..1804		
GI Descrip.	'1170871/sp|P43279|MAOC_ORYSA 2.0e-82 MALATE OXIDOREDUCTASE, CHLOROPLAST PRECURSOR (MALIC ENZYME) (ME) (NADP-DEPENDENT MALIC ENZYME) (NADP-ME) >gi_1076749_pir__S46499 NADP-dependent malic enzyme - rice >gi_415315_dbj_BAA03949_ (D16499) NADP-dependent malic enzyme [Oryza sativa]'		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	1436	End	3800
GI	none	Score	88
Exons	1436..1615, 1442..1615, 1506..1625, 1677..1793, 1684..1800, 1707..1793, 1896..1970, 1896..1970, 2077..2172, 2080..2175, 2111..2179, 2272..2343, 2273..2338, 2273..2344, 2458..2565, 2464..2571, 2507..2575, 2672..2743, 2675..2830, 2679..2771, 2798..2833, 3163..3252, 3168..3362, 3169..3270, 3720..3800		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	1493	End	2166
GI	none	Score	64
Exons	1493..1615, 1493..1615, 1506..1619, 1677..1793, 1700..1792, 1707..1793, 1893..1970, 1896..1970, 2080..2166, 2080..2166		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o3.gp	Method	AAT/GAP
Start	2096	End	3948
GI	33542_1.R1084	Score	1509
Exons	2096..2175, 2272..2337, 2464..2569, 2676..2827, 3165..3360, 3718..3948		
GI Descrip.	'2695941/emb|CAA10989| 2.0e-20 (AJ222784) ribosomal like-protein [Hordeum vulgare]'		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o2.np	Method	AAT/NAP
Start	2407	End	11648
GI	119714	Score	82
Exons	2407..2527, 3108..3299, 3697..3768, 3906..4308, 11545..11648		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	2494	End	3329
GI	none	Score	106
Exons	2494..2571, 2495..2575, 2519..2572, 2675..2830, 2679..2771, 2798..2833, 3163..3267, 3168..3329		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	2684	End	3800
GI	none	Score	123
Exons	2684..2830, 2685..2771, 2798..2833, 3168..3362, 3169..3270, 3258..3356, 3720..3800		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	2780	End	3800
GI	none	Score	68
Exons	2780..2833, 2780..2830, 3168..3362, 3169..3270, 3313..3363, 3720..3800		

Seq. No.	25885	Seq. ID	OJ990414_03.9C03.C7
Gene No.	53757	Strand	-
Start	474	End	13668
Name	OJ990414_03.9C03.C7.o3.gs	Method	GENSCAN
Start	7200	End	13668
GI	none	Score	.67
Exons	7200..7404, 11429..11537, 11687..11816, 13528..13668		

Seq. No.	25886	Seq. ID	OJ990414_03.9C03.C8
Gene No.	53758	Strand	-
Start	1015	End	1304
Name	OJ990414_03.9C03.C8.o1.gs	Method	GENSCAN
Start	1015	End	1304
GI	none	Score	.84
Exons	1015..1304		

Seq. No.	25887	Seq. ID	OJ990414_03.9C03.C9
Gene No.	53759	Strand	+
Start	978	End	7831
Name	OJ990414_03.9C03.C9.o1.gs	Method	GENSCAN
Start	978	End	7831
GI	none	Score	.56
Exons	978..1051, 3697..3759, 6543..6678, 6690..6852, 7290..7459, 7775..7831		

Seq. No.	25887	Seq. ID	OJ990414_03.9C03.C9
Gene No.	53760	Strand	+
Start	10621	End	11965
Name	OJ990414_03.9C03.C9.o2.np	Method	AAT/NAP
Start	10621	End	11965
GI	6630699	Score	69
Exons	10621..10661, 11882..11965		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	25887	Seq. ID	OJ990414_03.9C03.C9
Gene No.	53761	Strand	+
Start	12092	End	12530
Name	OJ990414_03.9C03.C9.o3.np	Method	AAT/NAP
Start	12092	End	12530
GI	6539570	Score	110
Exons	12092..12295, 12464..12530		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	25887	Seq. ID	OJ990414_03.9C03.C9
Gene No.	53762	Strand	-
Start	9176	End	11942
Name	OJ990414_03.9C03.C9.o2.gs	Method	GENSCAN
Start	9176	End	11942
GI	none	Score	.55
Exons	9176..9352, 10449..10617, 10693..10802, 11673..11942		

Seq. No.	25887	Seq. ID	OJ990414_03.9C03.C9
Gene No.	53762	Strand	-
Start	9176	End	11942
Name	OJ990414_03.9C03.C9.o1.np	Method	AAT/NAP
Start	10568	End	11826
GI	5922620	Score	234
Exons	10568..10802, 10839..11030, 11077..11407, 11792..11826		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53763	Strand	+
Start	338	End	444
Name	OJ990414_03.9C03.C10.o1.gs	Method	GENSCAN
Start	338	End	444
GI	none	Score	.72
Exons	338..444		

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53764	Strand	+
Start	4831	End	7465
Name	OJ990414_03.9C03.C10.o2.gs	Method	GENSCAN
Start	4831	End	7338
GI	none	Score	.8
Exons	4831..5061, 5181..5285, 5372..5500, 5600..5771, 6629..6692, 6769..7070, 7167..7338		

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53764	Strand	+
Start	4831	End	7465
Name	OJ990414_03.9C03.C10.o1.np	Method	AAT/NAP
Start	5441	End	7465
GI	4093155	Score	260
Exons	5441..5549, 6823..7089, 7222..7338, 7366..7465		
GI Descrip.	(AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]		

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53764	Strand	+
Start	4831	End	7465
Name	OJ990414_03.9C03.C10.o1.gp	Method	AAT/GAP
Start	6207	End	6843
GI	427507	Score	708
Exons	6207..6508, 6629..6690, 6813..6843		

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53764	Strand	+
Start	4831	End	7465
Name	OJ990414_03.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	6403	End	7318
GI	none	Score	58
Exons	6403..6447, 6452..6502, 6651..6692, 6809..6874, 6820..6849, 6935..7072, 6953..7075, 7220..7273, 7253..7318, 7253..7318		

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53764	Strand	+
Start	4831	End	7465
Name	OJ990414_03.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	6811	End	7339
GI	none	Score	86
Exons	6811..6849, 6827..6874, 6952..6996, 6953..7075, 7265..7339		

Seq. No.	25888	Seq. ID	OJ990414_03.9C03.C10
Gene No.	53764	Strand	+
Start	4831	End	7465

Name	OJ990414_03.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	6811	End	7336
GI	none	Score	108
Exons	6811..6846, 6824..6901, 6952..6996, 6953..7075, 7265..7336		

Seq. No.	25889	Seq. ID	OJ990414_03.9C03.C11
Gene No.	53765	Strand	+
Start	365	End	1713
Name	OJ990414_03.9C03.C11.o1.gs	Method	GENSCAN
Start	365	End	1713
GI	none	Score	.77
Exons	365..532, 1606..1713		

Seq. No.	25889	Seq. ID	OJ990414_03.9C03.C11
Gene No.	53766	Strand	-
Start	1331	End	1531
Name	OJ990414_03.9C03.C11.o1.gp	Method	AAT/GAP
Start	1331	End	1531
GI	4138298	Score	260
Exons	1331..1531		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53767	Strand	+
Start	218	End	3255
Name	OJ990414_03.9C03.C12.o1.gp	Method	AAT/GAP
Start	218	End	2383
GI	17849_1.R1084	Score	1365
Exons	218..363, 801..947, 1435..1576, 1717..1813, 1924..1993, 2078..2182, 2325..2383		
GI Descrip.	'2833378/sp|Q42525|HXK_ARATH 1.0e-13 HEXOKINASE >gi_619928 (U18754) hexokinase [Arabidopsis thaliana] >gi_1582383_prf__2118367A hexokinase [Arabidopsis thaliana]'		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53767	Strand	+
Start	218	End	3255
Name	OJ990414_03.9C03.C12.o1.gs	Method	GENSCAN
Start	255	End	3105
GI	none	Score	.94
Exons	255..363, 801..947, 1457..1576, 1717..1813, 1924..1993, 2078..2182, 2325..2423, 2856..2946, 3032..3105		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53767	Strand	+
Start	218	End	3255
Name	OJ990414_03.9C03.C12.o1.np	Method	AAT/NAP
Start	804	End	3102
GI	3421104	Score	948
Exons	804..947, 1435..1576, 1717..1813, 1924..1993, 2078..2182, 2325..2423, 2856..2946, 3035..3102		
GI Descrip.	(AF043531) 20S proteasome beta subunit PBB2 [Arabidopsis thaliana]		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53767	Strand	+

Start	218	End	3255
Name	OJ990414_03.9C03.C12.o2.gp	Method	AAT/GAP
Start	2387	End	3255
GI	426360	Score	612
Exons	2387..2423, 2856..2946, 3032..3255		
GI Descrip.	2511570/emb|CAA73617.1| 2.0e-18 (Y13174) multicatalytic endopeptidase [Arabidopsis thaliana]		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	791	End	1804
GI	none	Score	135
Exons	791..934, 798..944, 807..944, 1430..1579, 1435..1575, 1714..1800, 1715..1804, 1716..1799		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	795	End	3117
GI	none	Score	177
Exons	795..947, 806..949, 807..947, 823..948, 1430..1579, 1435..1575, 1714..1815, 1715..1816, 1716..1799, 1717..1806, 1901..1996, 1918..1995, 1925..1996, 2077..2190, 2079..2177, 2080..2181, 2081..2197, 2325..2423, 2326..2424, 2334..2423, 2853..2945, 2854..3051, 2855..2944, 3034..3087, 3085..3117		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	807	End	2191
GI	none	Score	184
Exons	807..947, 821..943, 1434..1574, 1435..1575, 1715..1813, 1716..1799, 1900..1992, 1901..1996, 2080..2190, 2080..2187, 2081..2191		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o2.tc	Method	TBLASTX:Cress
Start	821	End	3108
GI	none	Score	172
Exons	821..943, 822..947, 1423..1539, 1433..1564, 1434..1580, 1435..1575, 1715..1813, 1716..1799, 1874..1996, 1900..1992, 1919..1996, 2079..2177, 2081..2197, 2081..2176, 2083..2190, 2325..2432, 2334..2423, 2852..2935, 2853..2936, 3016..3084, 3085..3108		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o2.np	Method	AAT/NAP
Start	3890	End	8640
GI	6594672	Score	1197

Exons	3890..4228, 4326..4407, 4627..4757, 4865..4963, 5068..5223, 5316..5390, 5571..5750, 5891..6041, 7242..7395, 8524..8640		
GI Descrip.	(AF118132) chloroplast outer envelope hexokinase 1 [Spinacia oleracea]		
Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o2.gs	Method	GENSCAN
Start	3899	End	11009
GI	none	Score	.87
Exons	3899..4228, 4326..4407, 4627..4757, 5068..5223, 5316..5390, 5571..5750, 5891..6041, 7034..7144, 7242..7553, 10613..10833, 10900..11009		
Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	3905	End	7377
GI	none	Score	81
Exons	3905..4090, 3951..4088, 4091..4231, 4110..4220, 4323..4415, 4324..4410, 4626..4760, 4627..4758, 4865..4963, 4866..4964, 5057..5221, 5065..5223, 5068..5223, 5310..5390, 5311..5409, 5568..5675, 5569..5676, 5700..5756, 5889..6038, 5894..6037, 5906..6043, 7241..7288, 7348..7377		
Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	3905	End	4151
GI	none	Score	89
Exons	3905..4096, 3906..4097, 4076..4150, 4098..4151		
Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	3905	End	6046
GI	none	Score	98
Exons	3905..4054, 3905..4099, 3951..4100, 4109..4231, 4110..4220, 4140..4238, 4178..4231, 4323..4415, 4350..4415, 4626..4760, 4627..4758, 4865..4963, 4866..4964, 5057..5221, 5065..5223, 5068..5223, 5310..5390, 5311..5391, 5538..5672, 5568..5675, 5569..5676, 5597..5680, 5700..5756, 5894..6037, 5895..6038, 5900..6046		
Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	3908	End	6038
GI	none	Score	66
Exons	3908..4087, 3951..4082, 4109..4228, 4113..4223, 4333..4416, 4335..4415, 4626..4760, 4627..4758, 4865..4963, 4866..4964, 5030..5221, 5065..5223, 5310..5390, 5311..5409, 5568..5675,		

5569..5676, 5691..5756, 5698..5751, 5894..6037, 5895..6038

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	5120	End	5391
GI	none	Score	115
Exons	5120..5224, 5122..5223, 5128..5232, 5310..5390, 5311..5391		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o3.gp	Method	AAT/GAP
Start	5949	End	6041
GI	3090454	Score	157
Exons	5949..6041		
GI Descrip.	2833378/sp|Q42525|HXK_ARATH 1.0e-13 HEXOKINASE >gi_619928 (U18754) hexokinase [Arabidopsis thaliana] >gi_1582383_prf__2118367A hexokinase [Arabidopsis thaliana]		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o3.np	Method	AAT/NAP
Start	9189	End	11859
GI	6721512	Score	123
Exons	9189..9211, 10408..10587, 10647..10678, 10721..10854, 10882..10997, 11798..11859		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	25890	Seq. ID	OJ990414_03.9C03.C12
Gene No.	53768	Strand	-
Start	3899	End	11859
Name	OJ990414_03.9C03.C12.o4.gp	Method	AAT/GAP
Start	10094	End	10210
GI	LIB3475-012-P1-K1-B11	Score	171
Exons	10094..10210		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-29 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25891	Seq. ID	OJ990414_03.9C03.C13
Gene No.	53769	Strand	+
Start	466	End	3077
Name	OJ990414_03.9C03.C13.o1.gs	Method	GENSCAN
Start	466	End	3077
GI	none	Score	.74
Exons	466..612, 1632..1920, 3019..3077		

Seq. No.	25891	Seq. ID	OJ990414_03.9C03.C13
Gene No.	53770	Strand	+
Start	3675	End	3755
Name	OJ990414_03.9C03.C13.o1.np	Method	AAT/NAP
Start	3675	End	3755
GI	6630699	Score	87
Exons	3675..3755		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	25891	Seq. ID	OJ990414_03.9C03.C13
Gene No.	53771	Strand	-
Start	3893	End	7111
Name	OJ990414_03.9C03.C13.o2.np	Method	AAT/NAP
Start	3893	End	7111
GI	5922620	Score	558
Exons	3893..4005, 4790..4905, 4942..5258, 5505..5616, 6965..7025, 7064..7111		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25891	Seq. ID	OJ990414_03.9C03.C13
Gene No.	53772	Strand	-
Start	7387	End	7491
Name	OJ990414_03.9C03.C13.o3.np	Method	AAT/NAP
Start	7387	End	7491
GI	5922620	Score	103
Exons	7387..7491		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25891	Seq. ID	OJ990414_03.9C03.C13
Gene No.	53773	Strand	-
Start	17160	End	19437
Name	OJ990414_03.9C03.C13.o3.gs	Method	GENSCAN
Start	17160	End	19437
GI	none	Score	.69
Exons	17160..17554, 17790..17890, 19133..19437		

Seq. No.	25892	Seq. ID	OJ990414_03.9C03.C14
Gene No.	53774	Strand	+
Start	19807	End	23070
Name	OJ990414_03.9C03.C14.o1.np	Method	AAT/NAP
Start	19807	End	23070
GI	4646203	Score	377
Exons	19807..19896, 21025..21157, 21238..21704, 21797..22025, 22561..22659, 22751..22839, 22944..23070		
GI Descrip.	(AC007230) Belongs to PF|00026 Eukaryotic aspartyl protease family. [Arabidopsis thaliana]		

Seq. No.	25892	Seq. ID	OJ990414_03.9C03.C14
Gene No.	53774	Strand	+
Start	19807	End	23070
Name	OJ990414_03.9C03.C14.o2.np	Method	AAT/NAP
Start	21030	End	22665
GI	6850312	Score	387
Exons	21030..21157, 21238..21704, 21797..21971, 22061..22113, 22566..22665		

GI Descrip. (AC009999) Contains similarity to nucellin from Hordeum vulgare gb|U87148. ESTs gb|T22068, gb|F14251, gb|F14237, gb|F14242 come from this gene. [Arabidopsis thaliana]

Seq. No.	25892	Seq. ID	OJ990414_03.9C03.C14
Gene No.	53775	Strand	-
Start	7431	End	8102
Name	OJ990414_03.9C03.C14.o2.gs	Method	GENSCAN
Start	7431	End	8102
GI	none	Score	.51
Exons	7431..7709, 8079..8102		

Seq. No.	25892	Seq. ID	OJ990414_03.9C03.C14
Gene No.	53776	Strand	-
Start	24276	End	24858
Name	OJ990414_03.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	21029	End	21693
GI	none	Score	130
Exons	21029..21145, 21241..21483, 21513..21689, 21526..21693		

Seq. No.	25892	Seq. ID	OJ990414_03.9C03.C14
Gene No.	53776	Strand	-
Start	24276	End	24858
Name	OJ990414_03.9C03.C14.o4.gs	Method	GENSCAN
Start	24276	End	24858
GI	none	Score	.95
Exons	24276..24669, 24725..24858		

Seq. No.	25893	Seq. ID	OJ990414_03.9C03.C19
Gene No.	53777	Strand	+
Start	143	End	297
Name	OJ990414_03.9C03.C19.o1.gs	Method	GENSCAN
Start	143	End	297
GI	none	Score	.92
Exons	143..297		

Seq. No.	25894	Seq. ID	OJ990324_05.9C23.C4
Gene No.	53778	Strand	+
Start	1	End	142
Name	OJ990324_05.9C23.C4.o1.gp	Method	AAT/GAP
Start	1	End	142
GI	50781_1.R1084	Score	284
Exons	1..142		

GI Descrip. '5902368/gb|AAD55470.1|AC009322_10 9.0e-09 (AC009322) Unknown protein [Arabidopsis thaliana]'

Seq. No.	25894	Seq. ID	OJ990324_05.9C23.C4
Gene No.	53779	Strand	-
Start	98	End	655
Name	OJ990324_05.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	41	End	565
GI	none	Score	67
Exons	41..85, 44..160, 47..160, 79..171, 85..162, 160..219, 161..220, 167..220, 306..374, 311..373, 479..565, 480..563, 514..564		

Seq. No.	25894	Seq. ID	OJ990324_05.9C23.C4
Gene No.	53779	Strand	-

Start	98	End	655
Name	OJ990324_05.9C23.C4.o1.gs	Method	GENSCAN
Start	98	End	600
GI	none	Score	.78
Exons	98..219, 478..600		

Seq. No.	25894	Seq. ID	OJ990324_05.9C23.C4
Gene No.	53779	Strand	-
Start	98	End	655
Name	OJ990324_05.9C23.C4.o1.np	Method	AAT/NAP
Start	113	End	655
GI	541816	Score	150
Exons	113..217, 281..366, 478..655		
GI Descrip.	protein kinase - common ice plant gi|457689|emb|CAA82990| (Z30329) protein kinase [Mesembryanthemum crystallinum]		

Seq. No.	25895	Seq. ID	OJ990324_05.9C23.C5
Gene No.	53780	Strand	+
Start	432	End	574
Name	OJ990324_05.9C23.C5.o1.gp	Method	AAT/GAP
Start	432	End	574
GI	none	Score	228
Exons	432..574		

Seq. No.	25895	Seq. ID	OJ990324_05.9C23.C5
Gene No.	53781	Strand	-
Start	428	End	529
Name	OJ990324_05.9C23.C5.o1.gs	Method	GENSCAN
Start	428	End	529
GI	none	Score	.48
Exons	428..529		

Seq. No.	25896	Seq. ID	OJ990324_05.9C23.C6
Gene No.	53782	Strand	-
Start	704	End	895
Name	OJ990324_05.9C23.C6.o1.gp	Method	AAT/GAP
Start	587	End	895
GI	3762646	Score	577
Exons	587..895		
GI Descrip.	5902368/gb|AAD55470.1|AC009322_10 9.0e-09 (AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	25896	Seq. ID	OJ990324_05.9C23.C6
Gene No.	53782	Strand	-
Start	704	End	895
Name	OJ990324_05.9C23.C6.o1.gs	Method	GENSCAN
Start	704	End	853
GI	none	Score	.92
Exons	704..853		

Seq. No.	25896	Seq. ID	OJ990324_05.9C23.C6
Gene No.	53782	Strand	-
Start	704	End	895
Name	OJ990324_05.9C23.C6.o1.np	Method	AAT/NAP
Start	707	End	895
GI	5902368	Score	148
Exons	707..895		

GI Descrip. (AC009322) Unknown protein [Arabidopsis thaliana]

Seq. No.	25896	Seq. ID	OJ990324_05.9C23.C6
Gene No.	53782	Strand	-
Start	704	End	895
Name	OJ990324_05.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	713	End	895
GI	none	Score	123
Exons	713..895, 764..838, 780..893		

Seq. No.	25897	Seq. ID	OJ990324_05.9C23.C9
Gene No.	53783	Strand	-
Start	36	End	193
Name	OJ990324_05.9C23.C9.o1.gs	Method	GENSCAN
Start	36	End	193
GI	none	Score	.43
Exons	36..193		

Seq. No.	25898	Seq. ID	OJ990324_05.9C23.C10
Gene No.	53784	Strand	-
Start	334	End	461
Name	OJ990324_05.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	329	End	461
GI	none	Score	155
Exons	329..445, 333..461		

Seq. No.	25898	Seq. ID	OJ990324_05.9C23.C10
Gene No.	53784	Strand	-
Start	334	End	461
Name	OJ990324_05.9C23.C10.o1.gs	Method	GENSCAN
Start	334	End	436
GI	none	Score	.49
Exons	334..436		

Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	1412
GI	4850285	Score	484
Exons	1..202, 340..548, 634..769, 1327..1412		

GI Descrip. (AL049876) putative protein [Arabidopsis thaliana]

Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o1.gs	Method	GENSCAN
Start	102	End	3667
GI	none	Score	.77
Exons	102..202, 340..548, 634..797, 1738..1924, 3518..3667		

Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	324	End	965
GI	none	Score	194

Exons	324..548, 329..532, 339..536, 633..794, 634..795, 727..795, 851..955, 889..951, 894..965		
Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	324	End	717
GI	none	Score	118
Exons	324..548, 325..456, 378..536, 496..549, 634..717, 641..676		
Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o2.np	Method	AAT/NAP
Start	2007	End	3831
GI	4049502	Score	62
Exons	2007..2087, 3247..3361, 3512..3661, 3788..3831		
GI Descrip.	(AL034563) transcription initiation factor iif, beta subunit [Schizosaccharomyces pombe]		
Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	3243	End	3684
GI	none	Score	191
Exons	3243..3368, 3244..3369, 3247..3369, 3248..3370, 3512..3670, 3514..3684		
Seq. No.	25899	Seq. ID	OJ990324_05.9C23.C12
Gene No.	53785	Strand	-
Start	1	End	3831
Name	OJ990324_05.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	3245	End	3670
GI	none	Score	113
Exons	3245..3367, 3255..3368, 3498..3668, 3521..3670		
Seq. No.	25900	Seq. ID	OJ990324_05.9C23.C13
Gene No.	53786	Strand	+
Start	462	End	542
Name	OJ990324_05.9C23.C13.o1.np	Method	AAT/NAP
Start	462	End	542
GI	5922623	Score	76
Exons	462..542		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	25901	Seq. ID	OJ990324_05.9C23.C15
Gene No.	53787	Strand	+
Start	287	End	461
Name	OJ990324_05.9C23.C15.o1.gs	Method	GENSCAN
Start	287	End	461
GI	none	Score	.52
Exons	287..461		

Seq. No.	25902	Seq. ID	OJ990324_05.9C23.C16
Gene No.	53788	Strand	+
Start	358	End	644
Name	OJ990324_05.9C23.C16.o1.gp	Method	AAT/GAP
Start	358	End	644
GI	none	Score	519
Exons	358..644		

Seq. No.	25902	Seq. ID	OJ990324_05.9C23.C16
Gene No.	53789	Strand	-
Start	359	End	657
Name	OJ990324_05.9C23.C16.o1.gs	Method	GENSCAN
Start	359	End	657
GI	none	Score	.92
Exons	359..657		

Seq. No.	25903	Seq. ID	OJ990324_05.9C23.C17
Gene No.	53790	Strand	-
Start	583	End	732
Name	OJ990324_05.9C23.C17.o1.tm	Method	TBLASTX:Maize
Start	423	End	716
GI	none	Score	59
Exons	423..479, 423..479, 424..480, 581..715, 582..716	425..487, 431..490, 580..714,	

Seq. No.	25903	Seq. ID	OJ990324_05.9C23.C17
Gene No.	53790	Strand	-
Start	583	End	732
Name	OJ990324_05.9C23.C17.o1.ts	Method	TBLASTX:Soybean
Start	440	End	715
GI	none	Score	116
Exons	440..466, 580..714, 581..715		

Seq. No.	25903	Seq. ID	OJ990324_05.9C23.C17
Gene No.	53790	Strand	-
Start	583	End	732
Name	OJ990324_05.9C23.C17.o1.gs	Method	GENSCAN
Start	583	End	732
GI	none	Score	.87
Exons	583..732		

Seq. No.	25904	Seq. ID	OJ990324_05.9C23.C18
Gene No.	53791	Strand	+
Start	1	End	666
Name	OJ990324_05.9C23.C18.o1.np	Method	AAT/NAP
Start	1	End	666
GI	6561629	Score	237
Exons	1..20, 384..666		
GI Descrip.	(AF197641) ATPase alpha subunit [Cabomba sp. Qiu 97027]		

Seq. No.	25904	Seq. ID	OJ990324_05.9C23.C18
Gene No.	53792	Strand	+
Start	1211	End	2717
Name	OJ990324_05.9C23.C18.o1.tw	Method	TBLASTX:Wheat
Start	447	End	700
GI	none	Score	85
Exons	447..518, 448..519, 449..520,	516..578, 521..580, 521..580,	

522..581, 580..642, 581..643, 654..695, 655..696, 656..700

Seq. No.	25904	Seq. ID	OJ990324_05.9C23.C18
Gene No.	53792	Strand	+
Start	1211	End	2717
Name	OJ990324_05.9C23.C18.o1.gs	Method	GENSCAN
Start	1211	End	2656
GI	none	Score	.64
Exons	1211..1263, 1433..1452, 1680..1760, 2421..2656		

Seq. No.	25904	Seq. ID	OJ990324_05.9C23.C18
Gene No.	53792	Strand	+
Start	1211	End	2717
Name	OJ990324_05.9C23.C18.o1.gp	Method	AAT/GAP
Start	2472	End	2717
GI	2442295	Score	459
Exons	2472..2717		

Seq. No.	25904	Seq. ID	OJ990324_05.9C23.C18
Gene No.	53792	Strand	+
Start	1211	End	2717
Name	OJ990324_05.9C23.C18.o1.tm	Method	TBLASTX:Maize
Start	2489	End	2716
GI	none	Score	183
Exons	2489..2644, 2549..2575, 2578..2643, 2687..2716		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o1.gp	Method	AAT/GAP
Start	1	End	1557
GI	none	Score	709
Exons	1..289, 879..948, 1518..1557		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o1.tm	Method	TBLASTX:Maize
Start	87	End	1975
GI	none	Score	169
Exons	87..290, 156..224, 270..290, 875..946, 876..965, 877..945, 1515..1664, 1515..1679, 1517..1666, 1612..1668, 1744..1860, 1745..1855, 1746..1871, 1924..1974, 1929..1973, 1931..1975		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o1.gs	Method	GENSCAN
Start	129	End	3595
GI	none	Score	.89
Exons	129..289, 879..948, 1518..1665, 1744..1859, 1932..2010, 2093..2163, 2272..2481, 2957..3101, 3430..3465, 3561..3595		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o1.np	Method	AAT/NAP

Start	148	End	3291
GI	6523093	Score	448
Exons	148..314, 814..948, 1527..1665, 1744..1859, 1932..2139, 3220..3291		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o1.ts	Method	TBLASTX:Soybean
Start	1509	End	2133
GI	none	Score	94
Exons	1509..1664, 1518..1679, 1567..1683, 1618..1668, 1743..1871, 1744..1857, 1936..2028, 1938..2027, 2098..2133		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o2.gp	Method	AAT/GAP
Start	1839	End	3022
GI	none	Score	683
Exons	1839..1859, 1932..2010, 2093..2163, 2272..2430, 2957..3022		

Seq. No.	25905	Seq. ID	OJ990324_05.9C23.C19
Gene No.	53793	Strand	-
Start	1	End	3595
Name	OJ990324_05.9C23.C19.o2.ts	Method	TBLASTX:Soybean
Start	2134	End	3100
GI	none	Score	119
Exons	2134..2166, 2272..2433, 2273..2431, 2957..3058, 2964..3056, 3035..3100, 3036..3092		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53794	Strand	+
Start	1	End	12273
Name	OJ990324_05.9C23.C20.o1.np	Method	AAT/NAP
Start	1	End	5468
GI	4220534	Score	229
Exons	1..161, 2658..2780, 2894..3155, 3182..3363, 4527..4602, 4709..4811, 5340..5468		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53794	Strand	+
Start	1	End	12273
Name	OJ990324_05.9C23.C20.o1.gs	Method	GENSCAN
Start	1183	End	12273
GI	none	Score	.77
Exons	1183..1413, 2121..2453, 2574..2772, 2871..3363, 4527..4602, 5327..5413, 5498..6255, 7620..7656, 8509..8808, 11014..11481, 11527..12273		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53794	Strand	+
Start	1	End	12273
Name	OJ990324_05.9C23.C20.o1.gp	Method	AAT/GAP
Start	5970	End	6739

GI	none	Score	768
Exons	5970..6255, 6607..6739		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53794	Strand	+
Start	1	End	12273
Name	OJ990324_05.9C23.C20.o2.gp	Method	AAT/GAP
Start	7422	End	7979
GI	none	Score	882
Exons	7422..7536, 7620..7979		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53794	Strand	+
Start	1	End	12273
Name	OJ990324_05.9C23.C20.o3.np	Method	AAT/NAP
Start	11064	End	12270
GI	2832643	Score	964
Exons	11064..11354, 11394..12151, 12179..12270		
GI Descrip.	(AL021710) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o2.tm	Method	TBLASTX:Maize
Start	2878	End	3318
GI	none	Score	323
Exons	2878..2910, 2914..3144, 2915..3142, 2922..3152, 3139..3318, 3140..3304		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o3.tm	Method	TBLASTX:Maize
Start	3320	End	5787
GI	none	Score	74
Exons	3320..3364, 3322..3369, 4495..4602, 4524..4601, 4525..4602, 4706..4801, 4708..4803, 4709..4801, 5324..5413, 5324..5413, 5326..5418, 5326..5448, 5478..5786, 5489..5617, 5508..5786, 5677..5787		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o1.tc	Method	TBLASTX:Cress
Start	11131	End	11439
GI	none	Score	231
Exons	11131..11295, 11377..11439		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o1.tm	Method	TBLASTX:Maize
Start	11131	End	12345
GI	none	Score	153
Exons	11131..11295, 11374..11421, 11374..11439, 11530..11700, 11542..11658, 11544..11699, 11766..12170, 11767..12135, 12181..12345		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o2.ts	Method	TBLASTX:Soybean
Start	11182	End	11700
GI	none	Score	157
Exons	11182..11295, 11184..11294, 11367..11480, 11377..11439, 11545..11700, 11551..11670, 11553..11699		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o2.tc	Method	TBLASTX:Cress
Start	11548	End	12273
GI	none	Score	136
Exons	11548..11700, 11652..11696, 11808..11873, 11809..11982, 11812..11958, 11953..12141, 12208..12273		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o1.ts	Method	TBLASTX:Soybean
Start	11776	End	12273
GI	none	Score	86
Exons	11776..12096, 11778..12017, 11779..12126, 11781..12128, 12133..12162, 12174..12272, 12181..12273, 12181..12270		

Seq. No.	25906	Seq. ID	OJ990324_05.9C23.C20
Gene No.	53795	Strand	+
Start	13978	End	14434
Name	OJ990324_05.9C23.C20.o4.gp	Method	AAT/GAP
Start	13978	End	14434
GI	none	Score	849
Exons	13978..14434		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53796	Strand	+
Start	3584	End	12823
Name	OJ990324_05.9C23.C21.o3.np	Method	AAT/NAP
Start	3584	End	12823
GI	2827699	Score	521
Exons	3584..3644, 8539..8640, 8695..9238, 10177..10367, 11013..11124, 11170..11493, 12755..12823		
GI Descrip.	(AL021684) predicted protein [Arabidopsis thaliana]		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53796	Strand	+
Start	3584	End	12823
Name	OJ990324_05.9C23.C21.o3.gs	Method	GENSCAN
Start	8539	End	11516
GI	none	Score	.98
Exons	8539..8769, 9007..9136, 10180..10367, 11013..11516		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53796	Strand	+
Start	3584	End	12823

Name	OJ990324_05.9C23.C21.o2.gp	Method	AAT/GAP
Start	9086	End	11182
GI	LIB3474-012-P1-K1-A12	Score	778
Exons	9086..9136, 10180..10367, 11013..11182		
GI Descrip.	'2827699/emb|CAA16672| 7.0e-23 (AL021684) predicted protein [Arabidopsis thaliana]'		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53797	Strand	-
Start	532	End	3487
Name	OJ990324_05.9C23.C21.o1.gs	Method	GENSCAN
Start	532	End	2751
GI	none	Score	.65
Exons	532..757, 1302..1491, 2697..2751		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53797	Strand	-
Start	532	End	3487
Name	OJ990324_05.9C23.C21.o1.np	Method	AAT/NAP
Start	963	End	3487
GI	5922623	Score	186
Exons	963..1047, 2603..2678, 2846..2970, 3381..3487		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53798	Strand	-
Start	4029	End	5726
Name	OJ990324_05.9C23.C21.o2.gs	Method	GENSCAN
Start	4029	End	5726
GI	none	Score	.85
Exons	4029..4465, 4583..5726		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53798	Strand	-
Start	4029	End	5726
Name	OJ990324_05.9C23.C21.o2.np	Method	AAT/NAP
Start	4134	End	5726
GI	1717826	Score	1210
Exons	4134..4603, 4635..5726		
GI Descrip.	TYROSINE/DOPA DECARBOXYLASE 2 [INCLUDES: DOPA DECARBOXYLASE (DDC); TYROSINE DECARBOXYLASE] gi|1076245|pir||B55066 tyrosine decarboxylase (EC 4.1.1.25) 2 - opium poppy gi|607747 (U08598) tyrosine/dopa decarboxylase [Papaver somniferum]		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o3.tc	Method	TBLASTX:Cress
Start	4191	End	4604
GI	none	Score	65
Exons	4191..4340, 4198..4314, 4395..4418, 4433..4603, 4434..4604		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929

Name	OJ990324_05.9C23.C21.o2.tc	Method	TBLASTX:Cress
Start	4794	End	5132
GI	none	Score	126
Exons	4794..5132, 4795..4968, 5068..5130		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o3.tm	Method	TBLASTX:Maize
Start	4863	End	5123
GI	none	Score	88
Exons	4863..4967, 4867..4968, 5010..5123, 5029..5121		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o5.ts	Method	TBLASTX:Soybean
Start	5394	End	5660
GI	none	Score	56
Exons	5394..5501, 5406..5480, 5502..5660, 5542..5616		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o2.tm	Method	TBLASTX:Maize
Start	8479	End	9003
GI	none	Score	67
Exons	8479..8580, 8638..8796, 8709..8795, 8832..8999, 8866..9003, 8868..8999		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o4.ts	Method	TBLASTX:Soybean
Start	8668	End	10256
GI	none	Score	137
Exons	8668..8817, 8697..8816, 8877..8993, 8878..9111, 9084..9107, 10179..10256		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o5.tc	Method	TBLASTX:Cress
Start	8893	End	11288
GI	none	Score	96
Exons	8893..9018, 8895..8999, 9067..9111, 9078..9122, 10154..10369, 10179..10373, 10266..10376, 11085..11288		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o4.tm	Method	TBLASTX:Maize
Start	10225	End	11300
GI	none	Score	148
Exons	10225..10368, 10225..10365, 10230..10373, 10232..10366, 10992..11123, 11012..11071, 11128..11235, 11130..11300, 11148..11300		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o4.gs	Method	GENSCAN
Start	12070	End	16856
GI	none	Score	.73
Exons	12070..12164, 12436..12485, 12600..12900, 13955..14561, 15032..15145, 15238..15528, 15639..15947, 16545..16662, 16789..16856		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o3.gp	Method	AAT/GAP
Start	13629	End	14091
GI	16240_1.R1084	Score	727
Exons	13629..14091		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o2.ts	Method	TBLASTX:Soybean
Start	13923	End	14331
GI	none	Score	154
Exons	13923..14102, 13933..14067, 14148..14330, 14152..14331		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o4.np	Method	AAT/NAP
Start	13941	End	16929
GI	4309698	Score	2176
Exons	13941..14561, 15032..15145, 15238..15528, 15639..15947, 16545..16929		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o1.tm	Method	TBLASTX:Maize
Start	14054	End	16928
GI	none	Score	241
Exons	14054..14110, 14140..14460, 14141..14461, 14145..14462, 14146..14463, 14464..14562, 15005..15157, 15033..15152, 15049..15153, 15235..15534, 15236..15529, 15360..15530, 15637..15948, 15638..15805, 15639..15950, 15640..15948, 15851..15949, 16511..16588, 16533..16613, 16537..16587, 16542..16625, 16543..16632, 16591..16845, 16626..16835, 16842..16928, 16842..16928		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o4.gp	Method	AAT/GAP

Start	14103	End	14562
GI	LIB3434-062-P1-K1-A5	Score	872
Exons	14103..14562		
GI Descrip.	'4309698/gb|AAD15482| 2.0e-39 (AC006266) putative glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o1.tc	Method	TBLASTX:Cress
Start	14178	End	16589
GI	none	Score	289
Exons	14178..14492, 14179..14499, 14218..14553, 15005..15151, 15029..15136, 15036..15137, 15235..15534, 15236..15529, 15237..15539, 15241..15534, 15637..15801, 15639..15794, 15639..15950, 15640..15954, 16542..16589		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o1.tw	Method	TBLASTX:Wheat
Start	14229	End	14480
GI	none	Score	63
Exons	14229..14480, 14236..14469		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o3.ts	Method	TBLASTX:Soybean
Start	14332	End	15095
GI	none	Score	199
Exons	14332..14499, 14333..14500, 14334..14492, 15029..15094, 15033..15095		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o1.ts	Method	TBLASTX:Soybean
Start	15096	End	16607
GI	none	Score	70
Exons	15096..15146, 15098..15151, 15232..15534, 15239..15523, 15631..15939, 15637..15801, 15639..15950, 16542..16607, 16544..16588		

Seq. No.	25907	Seq. ID	OJ990324_05.9C23.C21
Gene No.	53799	Strand	-
Start	12070	End	16929
Name	OJ990324_05.9C23.C21.o4.tc	Method	TBLASTX:Cress
Start	16635	End	16815
GI	none	Score	111
Exons	16635..16814, 16639..16815		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53800	Strand	+
Start	3682	End	5004
Name	OJ990324_05.9C23.C22.o2.gs	Method	GENSCAN
Start	3682	End	5004

GI	none	Score	.6
Exons	3682..3769, 4549..4688, 4891..5004		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o3.gs	Method	GENSCAN
Start	7572	End	13555
GI	none	Score	.61
Exons	7572..7579, 7987..8108, 9347..9440, 9538..9673, 9756..9830, 9981..10102, 10205..10280, 10806..10940, 12365..13555		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o1.gp	Method	AAT/GAP
Start	7943	End	9615
GI	LIB3434-044-P1-K1-B4	Score	847
Exons	7943..8108, 8893..9047, 9352..9440, 9538..9615		
GI Descrip.	'4538965/emb|CAB39789.1| 8.0e-13 (AL049488) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o1.np	Method	AAT/NAP
Start	8902	End	11039
GI	6692122	Score	500
Exons	8902..9047, 9352..9440, 9538..9673, 9756..9834, 9981..10122, 10184..10305, 10706..10827, 10917..11039		
GI Descrip.	(AC007654) T19E23.9 [Arabidopsis thaliana]		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o2.gp	Method	AAT/GAP
Start	10896	End	11401
GI	none	Score	959
Exons	10896..11401		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o3.np	Method	AAT/NAP
Start	11091	End	13546
GI	4886277	Score	265
Exons	11091..11179, 12324..13546		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o2.np	Method	AAT/NAP
Start	12280	End	14276
GI	3024367	Score	51
Exons	12280..12413, 14257..14276		
GI Descrip.	PROGASTRICSIN PRECURSOR (PEPSINOGEN C) gi|348277|pir||B43356		

gastricsin (EC 3.4.23.3) precursor - guinea pig gi|191297 (M88652) progastricsin [Cavia porcellus]

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53801	Strand	+
Start	7572	End	14276
Name	OJ990324_05.9C23.C22.o3.gp	Method	AAT/GAP
Start	13142	End	13586
GI	none	Score	872
Exons	13142..13586		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53802	Strand	+
Start	27035	End	27453
Name	OJ990324_05.9C23.C22.o8.gp	Method	AAT/GAP
Start	27035	End	27453
GI	50781_1.R1084	Score	834
Exons	27035..27453		
GI Descrip.	'5902368/gb|AAD55470.1|AC009322_10 9.0e-09 (AC009322) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53803	Strand	+
Start	39094	End	44070
Name	OJ990324_05.9C23.C22.o7.np	Method	AAT/NAP
Start	37524	End	41156
GI	6324770	Score	695
Exons	37524..37557, 39274..39393, 39555..39718, 39811..39901, 39979..40136, 40449..40620, 40717..40827, 41091..41156		
GI Descrip.	lipoic acid synthase; Lip5p gi|417254|sp|P32875|LIP5_YEAST LIPOIC ACID SYNTHETASE, MITOCHONDRIAL PRECURSOR (LIP-SYN) (LIPOATE SYNTHASE) gi|630264|pir||S42159 lipoic acid synthase (EC 2.8.1.-) precursor - yeast (Saccharomyces cerevisiae) gi|1420467|emb|CAA99409| (Z75104) ORF YOR196c [Saccharomyces cerevisiae]		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53803	Strand	+
Start	39094	End	44070
Name	OJ990324_05.9C23.C22.o6.gs	Method	GENSCAN
Start	39094	End	44067
GI	none	Score	.8
Exons	39094..39393, 39537..39718, 39811..39901, 39958..40095, 40191..40261, 40449..40620, 40717..40827, 41222..41267, 41605..41679, 42265..42357, 42405..42498, 42772..42964, 43305..43378, 43523..43678, 43944..44067		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53803	Strand	+
Start	39094	End	44070
Name	OJ990324_05.9C23.C22.o8.np	Method	AAT/NAP
Start	42848	End	44070
GI	4966367	Score	387
Exons	42848..42964, 43305..43378, 43523..43678, 43944..44070		
GI Descrip.	(AC006341) Similar to gi|2293301 YtqB from Bacillus subtilis sequence gb|AF008220. [Arabidopsis thaliana]		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o2.tw	Method	TBLASTX:Wheat
Start	5259	End	11048
GI	none	Score	92
Exons	5259..5360, 10040..10102, 10041..10103, 10206..10280, 10770..10829, 10905..11048, 10907..11047		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o5.tm	Method	TBLASTX:Maize
Start	8928	End	10094
GI	none	Score	119
Exons	8928..9047, 8935..9045, 9334..9465, 9350..9439, 9351..9440, 9530..9661, 9531..9662, 9535..9675, 9536..9724, 9729..9842, 9754..9831, 9755..9832, 9981..10094, 9986..10093		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o3.ts	Method	TBLASTX:Soybean
Start	9981	End	10294
GI	none	Score	173
Exons	9981..10103, 9995..10105, 10031..10108, 10203..10280, 10205..10282, 10206..10283, 10208..10294		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o5.tc	Method	TBLASTX:Cress
Start	10067	End	11030
GI	none	Score	53
Exons	10067..10105, 10068..10103, 10206..10283, 10208..10288, 10767..10829, 10905..11030, 10910..11029		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o11.tm	Method	TBLASTX:Maize
Start	10205	End	11036
GI	none	Score	95
Exons	10205..10294, 10206..10283, 10767..10829, 10767..10829, 10905..11027, 10907..11023, 10914..11036		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o4.ts	Method	TBLASTX:Soybean
Start	12356	End	13036
GI	none	Score	76
Exons	12356..12439, 12524..12709, 12740..12835, 12818..12877, 12944..13036		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-

Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o2.tm	Method	TBLASTX:Maize
Start	12497	End	12883
GI	none	Score	96
Exons	12497..12718, 12498..12686, 12508..12720, 12509..12718, 12724..12882, 12749..12883		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o4.gs	Method	GENSCAN
Start	13863	End	20044
GI	none	Score	.6
Exons	13863..14000, 14137..14290, 14394..14563, 15297..15401, 17694..17747, 18000..18068, 18403..18500, 19374..19550, 19999..20044		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o5.gp	Method	AAT/GAP
Start	16577	End	17760
GI	none	Score	943
Exons	16577..17023, 17694..17760		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o4.tm	Method	TBLASTX:Maize
Start	16925	End	21252
GI	none	Score	92
Exons	16925..17026, 16925..17029, 16968..17027, 17694..17750, 17694..17750, 17997..18071, 17997..18068, 17999..18088, 18173..18241, 18177..18242, 18181..18243, 18400..18501, 18401..18496, 19375..19440, 19375..19449, 19987..20106, 19991..20113, 20000..20107, 20001..20111, 20215..20301, 20217..20282, 20365..20436, 20365..20433, 20366..20440, 21030..21110, 21044..21112, 21216..21251, 21226..21252		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o5.np	Method	AAT/NAP
Start	16967	End	21330
GI	4263702	Score	788
Exons	16967..17023, 17694..17747, 18000..18068, 18182..18241, 18403..18500, 19374..19513, 19999..20112, 20215..20281, 20367..20431, 21020..21101, 21217..21330		
GI Descrip.	(AC006223) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o2.ts	Method	TBLASTX:Soybean
Start	18000	End	21263
GI	none	Score	71
Exons	18000..18077, 18000..18068, 18173..18241, 18181..18240,		

18380..18496, 18400..18498, 18401..18496, 19378..19449,
19954..20094, 19972..20031, 20001..20111, 20012..20095,
20012..20119, 20215..20301, 20217..20282, 20365..20430,
20366..20434, 20378..20434, 21033..21110, 21216..21263

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o6.gp	Method	AAT/GAP
Start	18182	End	20305
GI	LIB3433-016-Q6-K6-E9	Score	728
Exons	18182..18241, 18403..18500, 19374..19447, 19999..20112, 20215..20305		
GI Descrip.	'4263702/gb|AAD15388| 2.0e-62 (AC006223) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o5.gs	Method	GENSCAN
Start	20573	End	33756
GI	none	Score	.77
Exons	20573..20882, 21031..21110, 21762..21827, 22273..22428, 22819..23043, 23157..23199, 23524..23567, 23718..23790, 24562..24948, 25021..25151, 25862..26024, 26738..26826, 27177..27256, 27788..27872, 28277..28324, 28611..28724, 28806..28937, 30298..30532, 30581..30849, 30935..31018, 32056..32230, 33545..33756		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o9.tm	Method	TBLASTX:Maize
Start	22825	End	25957
GI	none	Score	38
Exons	22825..22869, 22864..23052, 22866..23045, 22867..23049, 22883..23083, 23157..23201, 23157..23198, 23521..23565, 23523..23567, 23717..23779, 23718..23780, 23718..23792, 23720..23794, 25858..25941, 25862..25957, 25877..25948		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o7.gp	Method	AAT/GAP
Start	22846	End	26042
GI	none	Score	907
Exons	22846..23043, 23157..23199, 23524..23567, 23718..23790, 25862..26042		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o1.tm	Method	TBLASTX:Maize
Start	27285	End	33673
GI	none	Score	67
Exons	27285..27341, 27352..27396, 27358..27471, 27390..27482, 27396..27473, 27470..27529, 27471..27530, 27478..27531,		

27479..27532, 27616..27684, 27620..27682, 27621..27683,
27782..27874, 27789..27875, 27790..27873, 28274..28327,
28608..28721, 28611..28721, 28640..28726, 28654..28725,
28801..28938, 28806..28940, 28807..28938, 29387..29470,
29388..29471, 29388..29471, 29389..29472, 29569..29652,
29570..29656, 29571..29660, 29571..29657, 29578..29658,
30289..30543, 30294..30533, 30394..30534, 30603..30851,
30604..30852, 30607..30864, 30878..31021, 30932..31021,
30933..31031, 32047..32229, 32048..32230, 32048..32230,
32245..32283, 33544..33669, 33544..33669, 33545..33673

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o6.np	Method	AAT/NAP
Start	27591	End	33756
GI	1076632	Score	1632
Exons	27591..27676, 27788..27872, 28277..28324, 28611..28724, 28806..28937, 29387..29471, 29572..29651, 30298..30532, 30608..30849, 30935..31051, 32056..32230, 33545..33756		
GI Descrip.	protein kinase - common tobacco gi|506534|emb|CAA50374| (X71057) protein kinase [Nicotiana tabacum]		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o3.tc	Method	TBLASTX:Cress
Start	27805	End	28942
GI	none	Score	73
Exons	27805..27873, 27807..27875, 28605..28727, 28605..28721, 28615..28725, 28796..28939, 28806..28940, 28810..28938, 28814..28942		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o1.ts	Method	TBLASTX:Soybean
Start	27807	End	33673
GI	none	Score	79
Exons	27807..27875, 28605..28727, 28605..28721, 28806..28940, 28807..28938, 29387..29470, 29388..29471, 29388..29471, 29389..29472, 29569..29652, 29570..29653, 29571..29651, 29578..29652, 30289..30348, 30424..30543, 30470..30535, 30603..30851, 30607..30864, 30611..30850, 30612..30851, 30925..31002, 30932..31021, 30933..31004, 32047..32148, 32047..32232, 32054..32233, 33544..33639, 33545..33673		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o4.tc	Method	TBLASTX:Cress
Start	29387	End	30543
GI	none	Score	111
Exons	29387..29470, 29388..29471, 29402..29473, 29569..29646, 29571..29657, 30289..30357, 30299..30358, 30442..30543, 30464..30535		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o9.gp	Method	AAT/GAP
Start	30341	End	30851
GI	uC-osflcyp120h03b1	Score	799
Exons	30341..30532, 30608..30851		
GI Descrip.	'5302770/emb|CAB10237.2| 8.0e-48 (Z97336) protein kinase [Arabidopsis thaliana]'		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o2.tc	Method	TBLASTX:Cress
Start	30613	End	33652
GI	none	Score	88
Exons	30613..30744, 30613..30747, 30654..30746, 30748..30852, 30776..30850, 30932..31021, 30933..31019, 32047..32232, 32048..32233, 33544..33639, 33545..33652		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o1.tw	Method	TBLASTX:Wheat
Start	30739	End	32233
GI	none	Score	85
Exons	30739..30852, 30739..30858, 30776..30859, 30932..30973, 30933..30974, 30959..31021, 32047..32232, 32054..32233		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o10.gp	Method	AAT/GAP
Start	30948	End	34836
GI	48829_1.R1084	Score	1603
Exons	30948..31018, 32056..32230, 33545..33921, 34608..34836		
GI Descrip.	'4587520/gb|AAD25751.1|AC007060_9 2.0e-40 (AC007060) Strong similarity to gb_X71057 protein kinase from Nicotiana tabacum and contains PF_00069 eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o7.tm	Method	TBLASTX:Maize
Start	32615	End	32833
GI	none	Score	216
Exons	32615..32833, 32624..32797, 32626..32832		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53804	Strand	-
Start	13863	End	34836
Name	OJ990324_05.9C23.C22.o10.tm	Method	TBLASTX:Maize
Start	33695	End	33917
GI	none	Score	139
Exons	33695..33787, 33695..33787, 33696..33788, 33697..33789, 33824..33913, 33834..33917, 33839..33916		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53805	Strand	
Start	39271	End	40868
Name	OJ990324_05.9C23.C22.o1.tc	Method	TBLASTX:Cress
Start	39271	End	40868
GI	none	Score	128
Exons	39271..39393, 39578..39739, 39597..39725, 39812..39901, 39815..39895, 39973..40134, 39978..40133, 40498..40620, 40717..40824, 40737..40868		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53805	Strand	
Start	39271	End	40868
Name	OJ990324_05.9C23.C22.o3.tm	Method	TBLASTX:Maize
Start	39340	End	40134
GI	none	Score	80
Exons	39340..39393, 39578..39643, 39597..39725, 39809..39904, 39812..39910, 39973..40134, 39978..40133		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53805	Strand	
Start	39271	End	40868
Name	OJ990324_05.9C23.C22.o5.ts	Method	TBLASTX:Soybean
Start	39842	End	40868
GI	none	Score	76
Exons	39842..39892, 39842..39889, 39934..40134, 39978..40133, 40498..40620, 40717..40824, 40737..40868		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53806	Strand	
Start	42456	End	43355
Name	OJ990324_05.9C23.C22.o6.tm	Method	TBLASTX:Maize
Start	42456	End	43355
GI	none	Score	76
Exons	42456..42521, 42464..42520, 42752..42964, 42768..42950, 42770..42955, 43302..43355		

Seq. No.	25908	Seq. ID	OJ990324_05.9C23.C22
Gene No.	53807	Strand	
Start	43534	End	44072
Name	OJ990324_05.9C23.C22.o8.tm	Method	TBLASTX:Maize
Start	43534	End	44072
GI	none	Score	77
Exons	43534..43614, 43534..43677, 43535..43678, 43535..43678, 43942..44067, 43942..44067, 43947..44072, 43964..44071		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53808	Strand	+
Start	539	End	2877
Name	OJ990324_05.9C23.C23.o1.gs	Method	GENSCAN
Start	539	End	2877
GI	none	Score	.55
Exons	539..789, 836..953, 1384..1457, 2019..2136, 2833..2877		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53808	Strand	+

Start	539	End	2877
Name	OJ990324_05.9C23.C23.o1.np	Method	AAT/NAP
Start	912	End	2166
GI	4966367	Score	303
Exons	912..1036, 1384..1457, 1607..1762, 2019..2166		
GI Descrip.	(AC006341) Similar to gi|2293301 YtqB from Bacillus subtilis sequence gb|AF008220. [Arabidopsis thaliana]		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53809	Strand	+
Start	3845	End	4403
Name	OJ990324_05.9C23.C23.o2.gs	Method	GENSCAN
Start	3845	End	4039
GI	none	Score	.55
Exons	3845..4039		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53809	Strand	+
Start	3845	End	4403
Name	OJ990324_05.9C23.C23.o2.np	Method	AAT/NAP
Start	3854	End	4403
GI	1046373	Score	134
Exons	3854..4403		
GI Descrip.	(U37336) SAG12 protein [Arabidopsis thaliana]		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53810	Strand	-
Start	5354	End	8758
Name	OJ990324_05.9C23.C23.o2.tm	Method	TBLASTX:Maize
Start	816	End	1434
GI	none	Score	144
Exons	816..935, 834..935, 841..939, 844..939, 950..1027, 952..1023, 965..1036, 1381..1434		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53810	Strand	-
Start	5354	End	8758
Name	OJ990324_05.9C23.C23.o3.tm	Method	TBLASTX:Maize
Start	1617	End	2160
GI	none	Score	184
Exons	1617..1763, 1617..1658, 1619..1762, 1704..1766, 2017..2106, 2017..2100, 2095..2160, 2110..2139		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53810	Strand	-
Start	5354	End	8758
Name	OJ990324_05.9C23.C23.o3.gs	Method	GENSCAN
Start	5354	End	8700
GI	none	Score	.8
Exons	5354..5467, 5737..6018, 6397..6515, 6611..6776, 7306..7492, 7587..7687, 7807..8700		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53810	Strand	-
Start	5354	End	8758
Name	OJ990324_05.9C23.C23.o3.np	Method	AAT/NAP
Start	5680	End	8758

GI	3377941	Score	784
Exons	5680..6018, 6397..6515, 6611..6776, 6876..6929, 7007..7192, 7246..7492, 7587..7687, 7807..7901, 8095..8758		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	25909	Seq. ID	OJ990324_05.9C23.C23
Gene No.	53810	Strand	-
Start	5354	End	8758
Name	OJ990324_05.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	5893	End	7839
GI	none	Score	61
Exons	5893..6009, 6377..6523, 6385..6513, 6597..6779, 6628..6762, 7309..7359, 7351..7491, 7352..7492, 7586..7684, 7807..7839		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53811	Strand	+
Start	7722	End	9348
Name	OJ990324_05.9C23.C24.o2.gs	Method	GENSCAN
Start	7722	End	9053
GI	none	Score	.89
Exons	7722..9053		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53811	Strand	+
Start	7722	End	9348
Name	OJ990324_05.9C23.C24.o4.np	Method	AAT/NAP
Start	8115	End	9348
GI	2213632	Score	657
Exons	8115..8892, 9285..9348		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53812	Strand	-
Start	1	End	7542
Name	OJ990324_05.9C23.C24.o1.np	Method	AAT/NAP
Start	1	End	2007
GI	3377941	Score	290
Exons	1..44, 121..590, 931..1028, 1438..1508, 1623..1676, 1929..2007		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53812	Strand	-
Start	1	End	7542
Name	OJ990324_05.9C23.C24.o1.gs	Method	GENSCAN
Start	108	End	7542
GI	none	Score	.63
Exons	108..580, 915..1028, 1438..1508, 1623..1676, 1929..2170, 6103..6508, 7493..7542		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53812	Strand	-
Start	1	End	7542
Name	OJ990324_05.9C23.C24.o2.np	Method	AAT/NAP
Start	505	End	5315
GI	5734621	Score	69
Exons	505..530, 3038..3203, 5291..5315		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to		

a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53812	Strand	-
Start	1	End	7542
Name	OJ990324_05.9C23.C24.o3.np	Method	AAT/NAP
Start	2640	End	7542
GI	6630682	Score	354
Exons	2640..2666, 5384..5453, 6129..6334, 7489..7542		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53813	Strand	-
Start	8637	End	9202
Name	OJ990324_05.9C23.C24.o2.tm	Method	TBLASTX:Maize
Start	8067	End	8354
GI	none	Score	241
Exons	8067..8354, 8206..8280, 8255..8353		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53813	Strand	-
Start	8637	End	9202
Name	OJ990324_05.9C23.C24.o1.tw	Method	TBLASTX:Wheat
Start	8229	End	8630
GI	none	Score	214
Exons	8229..8411, 8240..8392, 8399..8629, 8400..8630		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53813	Strand	-
Start	8637	End	9202
Name	OJ990324_05.9C23.C24.o1.tm	Method	TBLASTX:Maize
Start	8358	End	8837
GI	none	Score	39
Exons	8358..8396, 8397..8732, 8414..8659, 8730..8792, 8772..8837, 8775..8834		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53813	Strand	-
Start	8637	End	9202
Name	OJ990324_05.9C23.C24.o2.tw	Method	TBLASTX:Wheat
Start	8631	End	8869
GI	none	Score	196
Exons	8631..8855, 8639..8869		

Seq. No.	25910	Seq. ID	OJ990324_05.9C23.C24
Gene No.	53813	Strand	-
Start	8637	End	9202
Name	OJ990324_05.9C23.C24.o1.gp	Method	AAT/GAP
Start	8637	End	9202
GI	uC-osflcyp088b12b1	Score	153
Exons	8637..8658, 9094..9202		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic		

DNA, chromosome 8, clone:P0026F07'

Seq. No.	25911	Seq. ID	OJ990324_05.9C23.C25
Gene No.	53814	Strand	-
Start	1	End	6156
Name	OJ990324_05.9C23.C25.o1.np	Method	AAT/NAP
Start	1	End	5422
GI	5305335	Score	335
Exons	1..208, 3825..4712, 4743..5422		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	25911	Seq. ID	OJ990324_05.9C23.C25
Gene No.	53814	Strand	-
Start	1	End	6156
Name	OJ990324_05.9C23.C25.o1.gs	Method	GENSCAN
Start	775	End	6156
GI	none	Score	.61
Exons	775..815, 983..1086, 1845..1967, 3873..3961, 4090..4354, 4447..4518, 4579..4974, 6072..6156		

Seq. No.	25911	Seq. ID	OJ990324_05.9C23.C25
Gene No.	53814	Strand	-
Start	1	End	6156
Name	OJ990324_05.9C23.C25.o1.gp	Method	AAT/GAP
Start	2283	End	2392
GI	uC-osflcyp088b12b1	Score	153
Exons	2283..2392		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53815	Strand	+
Start	2027	End	4851
Name	OJ990324_05.9C23.C26.o1.gs	Method	GENSCAN
Start	2027	End	4851
GI	none	Score	.84
Exons	2027..2284, 2361..2471, 2576..2834, 2905..3165, 3773..3984, 4552..4851		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53815	Strand	+
Start	2027	End	4851
Name	OJ990324_05.9C23.C26.o1.np	Method	AAT/NAP
Start	2027	End	4851
GI	6714482	Score	1543
Exons	2027..2284, 2361..2510, 2576..2834, 2938..3156, 3842..3984, 4552..4851		
GI Descrip.	(AC008261) unknown protin [Arabidopsis thaliana]		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o1.ts	Method	TBLASTX:Soybean
Start	2212	End	2797
GI	none	Score	37
Exons	2212..2283, 2264..2290, 2358..2510, 2360..2518, 2570..2725,		

2573..2797, 2575..2796

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o1.tm	Method	TBLASTX:Maize
Start	2450	End	2754
GI	none	Score	102
Exons	2450..2518, 2451..2510, 2573..2752, 2573..2731, 2581..2754, 2638..2754		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o1.tc	Method	TBLASTX:Cress
Start	2624	End	3088
GI	none	Score	331
Exons	2624..2836, 2626..2838, 2936..3058, 2937..3059, 3056..3088		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o2.ts	Method	TBLASTX:Soybean
Start	2797	End	4851
GI	none	Score	59
Exons	2797..2838, 2798..2836, 2936..3166, 2937..3158, 3833..3985, 3840..3986, 3840..4001, 3841..3987, 4530..4664, 4534..4851, 4542..4586, 4652..4840, 4698..4850		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o2.tm	Method	TBLASTX:Maize
Start	2946	End	3899
GI	none	Score	352
Exons	2946..3158, 2949..3155, 2950..3156, 3834..3893, 3840..3899, 3841..3897		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o2.tc	Method	TBLASTX:Cress
Start	4576	End	4848
GI	none	Score	309
Exons	4576..4848, 4704..4847		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590
Name	OJ990324_05.9C23.C26.o3.tm	Method	TBLASTX:Maize
Start	4605	End	4851
GI	none	Score	211
Exons	4605..4829, 4606..4851, 4609..4824, 4698..4850		

Seq. No.	25912	Seq. ID	OJ990324_05.9C23.C26
Gene No.	53816	Strand	-
Start	6293	End	6590

Name	OJ990324_05.9C23.C26.o2.gs	Method	GENSCAN
Start	6293	End	6590
GI	none	Score	.73
Exons	6293..6311, 6505..6590		

Seq. No.	25913	Seq. ID	OJ990324_05.9C23.C27
Gene No.	53817	Strand	-
Start	2605	End	3314
Name	OJ990324_05.9C23.C27.o1.gs	Method	GENSCAN
Start	2605	End	3314
GI	none	Score	.81
Exons	2605..3018, 3103..3314		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53818	Strand	+
Start	1	End	19415
Name	OJ990324_05.9C23.C28.o2.np	Method	AAT/NAP
Start	1	End	19415
GI	6006359	Score	66
Exons	1..34, 12115..12164, 13910..13971, 19280..19415		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53818	Strand	+
Start	1	End	19415
Name	OJ990324_05.9C23.C28.o1.gs	Method	GENSCAN
Start	49	End	3984
GI	none	Score	.64
Exons	49..481, 507..568, 803..896, 1095..1136, 3167..3240, 3484..3627, 3799..3984		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53818	Strand	+
Start	1	End	19415
Name	OJ990324_05.9C23.C28.o1.np	Method	AAT/NAP
Start	1009	End	12191
GI	119714	Score	258
Exons	1009..1052, 3727..3928, 6738..6860, 7010..7065, 7857..8081, 8941..9173, 10351..11172, 12082..12191		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53818	Strand	+
Start	1	End	19415
Name	OJ990324_05.9C23.C28.o2.gp	Method	AAT/GAP
Start	7255	End	8891
GI	46209_1.R1084	Score	938
Exons	7255..7414, 7786..8059, 8819..8891		
GI Descrip.	'3482921 7.0e-17 (AC003970) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53818	Strand	+
Start	1	End	19415

Name	OJ990324_05.9C23.C28.o3.gs	Method	GENSCAN
Start	11740	End	12773
GI	none	Score	.75
Exons	11740..11758, 12574..12773		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53818	Strand	+
Start	1	End	19415
Name	OJ990324_05.9C23.C28.o3.gp	Method	AAT/GAP
Start	12926	End	13113
GI	2227_1.R1084	Score	284
Exons	12926..13113		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53819	Strand	-
Start	654	End	3741
Name	OJ990324_05.9C23.C28.o1.gp	Method	AAT/GAP
Start	654	End	3741
GI	none	Score	1106
Exons	654..870, 1061..1191, 1357..1426, 1501..1552, 3477..3549, 3666..3741		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53820	Strand	-
Start	17411	End	18688
Name	OJ990324_05.9C23.C28.o1.tm	Method	TBLASTX:Maize
Start	7724	End	8059
GI	none	Score	312
Exons	7724..8059, 7743..8054		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53820	Strand	-
Start	17411	End	18688
Name	OJ990324_05.9C23.C28.o1.tc	Method	TBLASTX:Cress
Start	7743	End	8059
GI	none	Score	277
Exons	7743..8057, 7787..8059		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53820	Strand	-
Start	17411	End	18688
Name	OJ990324_05.9C23.C28.o1.ts	Method	TBLASTX:Soybean
Start	7794	End	8036
GI	none	Score	255
Exons	7794..8036, 7796..8026		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28
Gene No.	53820	Strand	-
Start	17411	End	18688
Name	OJ990324_05.9C23.C28.o1.tw	Method	TBLASTX:Wheat
Start	7862	End	8059
GI	none	Score	225
Exons	7862..8059, 7863..8057		

Seq. No.	25914	Seq. ID	OJ990324_05.9C23.C28

Gene No.	53820	Strand	-
Start	17411	End	18688
Name	OJ990324_05.9C23.C28.o5.gs	Method	GENSCAN
Start	17411	End	18688
GI	none	Score	.72
Exons	17411..17496, 18588..18688		

Seq. No.	25915	Seq. ID	OJ990324_05.9C23.C29
Gene No.	53821	Strand	+
Start	3296	End	3622
Name	OJ990324_05.9C23.C29.o1.gp	Method	AAT/GAP
Start	3296	End	3622
GI	38782_1.R1084	Score	549
Exons	3296..3622		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	25915	Seq. ID	OJ990324_05.9C23.C29
Gene No.	53822	Strand	-
Start	5	End	1850
Name	OJ990324_05.9C23.C29.o1.np	Method	AAT/NAP
Start	5	End	1850
GI	6907086	Score	1353
Exons	5..178, 243..423, 537..656, 882..1042, 1100..1850		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25915	Seq. ID	OJ990324_05.9C23.C29
Gene No.	53823	Strand	-
Start	2572	End	3622
Name	OJ990324_05.9C23.C29.o2.np	Method	AAT/NAP
Start	2572	End	3622
GI	4680186	Score	206
Exons	2572..2990, 3490..3622		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	25916	Seq. ID	OJ990324_05.9C23.C30
Gene No.	53824	Strand	+
Start	2039	End	4196
Name	OJ990324_05.9C23.C30.o2.tw	Method	TBLASTX:Wheat
Start	2028	End	2581
GI	none	Score	34
Exons	2028..2063, 2188..2235, 2242..2334, 2247..2333, 2329..2547, 2330..2581		

Seq. No.	25916	Seq. ID	OJ990324_05.9C23.C30
Gene No.	53824	Strand	+
Start	2039	End	4196
Name	OJ990324_05.9C23.C30.o1.np	Method	AAT/NAP
Start	2039	End	4196
GI	6498441	Score	2661
Exons	2039..3099, 3430..3893, 3957..4196		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	25916	Seq. ID	OJ990324_05.9C23.C30
Gene No.	53824	Strand	+

Start	2039	End	4196
Name	OJ990324_05.9C23.C30.o1.tw	Method	TBLASTX:Wheat
Start	3314	End	4085
GI	none	Score	394
Exons	3314..3487, 3315..3800, 3509..3769, 3888..4085, 3888..4070, 3941..4084		

Seq. No.	25917	Seq. ID	OJ990324_05.9C23.C31
Gene No.	53825	Strand	-
Start	369	End	475
Name	OJ990324_05.9C23.C31.o1.gs	Method	GENSCAN
Start	369	End	475
GI	none	Score	.56
Exons	369..475		

Seq. No.	25918	Seq. ID	OJ990324_05.9C23.C32
Gene No.	53826	Strand	-
Start	22	End	247
Name	OJ990324_05.9C23.C32.o1.tm	Method	TBLASTX:Maize
Start	1	End	196
GI	none	Score	44
Exons	1..63, 2..94, 2..106, 73..171, 74..172, 79..186, 107..196		

Seq. No.	25918	Seq. ID	OJ990324_05.9C23.C32
Gene No.	53826	Strand	-
Start	22	End	247
Name	OJ990324_05.9C23.C32.o1.gs	Method	GENSCAN
Start	22	End	247
GI	none	Score	.87
Exons	22..247		

Seq. No.	25919	Seq. ID	OJ990324_05.9C23.C33
Gene No.	53827	Strand	+
Start	212	End	333
Name	OJ990324_05.9C23.C33.o1.gs	Method	GENSCAN
Start	212	End	333
GI	none	Score	.57
Exons	212..333		

Seq. No.	25919	Seq. ID	OJ990324_05.9C23.C33
Gene No.	53828	Strand	-
Start	204	End	367
Name	OJ990324_05.9C23.C33.o1.gp	Method	AAT/GAP
Start	204	End	367
GI	2443199	Score	294
Exons	204..367		

Seq. No.	25920	Seq. ID	OJ990324_05.9C23.C39
Gene No.	53829	Strand	-
Start	68	End	391
Name	OJ990324_05.9C23.C39.o1.np	Method	AAT/NAP
Start	68	End	391
GI	5042454	Score	78
Exons	68..121, 346..391		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25921	Seq. ID	OJ990324_05.9C23.C40

Gene No.	53830	Strand	-
Start	1	End	429
Name	OJ990324_05.9C23.C40.o1.np	Method	AAT/NAP
Start	1	End	429
GI	2335108	Score	59
Exons	1..175, 355..429		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	25921	Seq. ID	OJ990324_05.9C23.C40
Gene No.	53831	Strand	-
Start	355	End	422
Name	OJ990324_05.9C23.C40.o1.gs	Method	GENSCAN
Start	355	End	422
GI	none	Score	.49
Exons	355..422		

Seq. No.	25922	Seq. ID	OJ990324_05.9C23.C41
Gene No.	53832	Strand	-
Start	143	End	448
Name	OJ990324_05.9C23.C41.o1.gs	Method	GENSCAN
Start	143	End	448
GI	none	Score	.57
Exons	143..232, 312..448		

Seq. No.	25923	Seq. ID	OJ990324_05.9C23.C42
Gene No.	53833	Strand	-
Start	542	End	826
Name	OJ990324_05.9C23.C42.o1.gp	Method	AAT/GAP
Start	542	End	826
GI	2443199	Score	554
Exons	542..826		

Seq. No.	25923	Seq. ID	OJ990324_05.9C23.C42
Gene No.	53834	Strand	-
Start	955	End	1317
Name	OJ990324_05.9C23.C42.o2.gs	Method	GENSCAN
Start	955	End	1317
GI	none	Score	1
Exons	955..1317		

Seq. No.	25924	Seq. ID	OJ990324_05.9C23.C43
Gene No.	53835	Strand	-
Start	1	End	201
Name	OJ990324_05.9C23.C43.o1.gp	Method	AAT/GAP
Start	1	End	201
GI	53564_1.R1084	Score	357
Exons	1..201		
GI Descrip.	'5262218/emb|CAB45844.1| 3.0e-10 (AL080254) calcium-binding protein-like [Arabidopsis thaliana]'		

Seq. No.	25924	Seq. ID	OJ990324_05.9C23.C43
Gene No.	53835	Strand	-
Start	1	End	201
Name	OJ990324_05.9C23.C43.o1.gs	Method	GENSCAN
Start	10	End	138
GI	none	Score	.77
Exons	10..138		

Seq. No.	25925	Seq. ID	OJ990324_05.9C23.C44
Gene No.	53836	Strand	+
Start	1	End	618
Name	OJ990324_05.9C23.C44.o1.np	Method	AAT/NAP
Start	1	End	618
GI	2335108	Score	175
Exons	1..223, 352..403, 479..618		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	25925	Seq. ID	OJ990324_05.9C23.C44
Gene No.	53836	Strand	+
Start	1	End	618
Name	OJ990324_05.9C23.C44.o1.ts	Method	TBLASTX:Soybean
Start	84	End	565
GI	none	Score	159
Exons	84..224, 96..221, 107..229, 344..403, 349..402, 466..564, 476..565		

Seq. No.	25925	Seq. ID	OJ990324_05.9C23.C44
Gene No.	53836	Strand	+
Start	1	End	618
Name	OJ990324_05.9C23.C44.o1.tm	Method	TBLASTX:Maize
Start	95	End	565
GI	none	Score	107
Exons	95..208, 96..224, 96..227, 97..243, 98..229, 348..404, 349..423, 349..423, 350..424, 466..564, 476..565, 476..565		

Seq. No.	25925	Seq. ID	OJ990324_05.9C23.C44
Gene No.	53836	Strand	+
Start	1	End	618
Name	OJ990324_05.9C23.C44.o1.tw	Method	TBLASTX:Wheat
Start	95	End	497
GI	none	Score	140
Exons	95..208, 96..224, 97..219, 98..229, 327..404, 346..423, 349..423, 477..497		

Seq. No.	25925	Seq. ID	OJ990324_05.9C23.C44
Gene No.	53836	Strand	+
Start	1	End	618
Name	OJ990324_05.9C23.C44.o1.gp	Method	AAT/GAP
Start	173	End	618
GI	LIB3433-044-P1-K1-E11	Score	253
Exons	173..223, 352..403, 479..618		
GI Descrip.	'2335108 6.0e-34 (AC002339) putative isulinase [Arabidopsis thaliana]'		

Seq. No.	25926	Seq. ID	OJ990324_05.9C23.C45
Gene No.	53837	Strand	-
Start	1	End	469
Name	OJ990324_05.9C23.C45.o1.np	Method	AAT/NAP
Start	1	End	457
GI	3122234	Score	430
Exons	1..203, 312..457		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) gi|2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]		

Seq. No.	25926	Seq. ID	OJ990324_05.9C23.C45
Gene No.	53837	Strand	-
Start	1	End	469
Name	OJ990324_05.9C23.C45.o1.tm	Method	TBLASTX:Maize
Start	41	End	462
GI	none	Score	241
Exons	41..283, 60..206, 304..354, 311..460, 312..458, 314..460, 388..462		

Seq. No.	25926	Seq. ID	OJ990324_05.9C23.C45
Gene No.	53837	Strand	-
Start	1	End	469
Name	OJ990324_05.9C23.C45.o1.tc	Method	TBLASTX:Cress
Start	44	End	469
GI	none	Score	115
Exons	44..283, 56..202, 60..206, 303..458, 311..460, 311..469		

Seq. No.	25926	Seq. ID	OJ990324_05.9C23.C45
Gene No.	53837	Strand	-
Start	1	End	469
Name	OJ990324_05.9C23.C45.o1.ts	Method	TBLASTX:Soybean
Start	44	End	460
GI	none	Score	74
Exons	44..283, 58..183, 60..206, 303..458, 311..460, 311..460		

Seq. No.	25926	Seq. ID	OJ990324_05.9C23.C45
Gene No.	53837	Strand	-
Start	1	End	469
Name	OJ990324_05.9C23.C45.o1.gs	Method	GENSCAN
Start	61	End	457
GI	none	Score	.55
Exons	61..269, 312..457		

Seq. No.	25927	Seq. ID	OJ990324_05.9C23.C47
Gene No.	53838	Strand	+
Start	110	End	371
Name	OJ990324_05.9C23.C47.o1.gs	Method	GENSCAN
Start	110	End	335
GI	none	Score	.62
Exons	110..335		

Seq. No.	25927	Seq. ID	OJ990324_05.9C23.C47
Gene No.	53838	Strand	+
Start	110	End	371
Name	OJ990324_05.9C23.C47.o1.tm	Method	TBLASTX:Maize
Start	161	End	371
GI	none	Score	104
Exons	161..250, 171..263, 185..292, 186..305, 251..340, 270..317, 282..371		

Seq. No.	25928	Seq. ID	OJ990324_05.9C23.C48
Gene No.	53839	Strand	-
Start	212	End	297
Name	OJ990324_05.9C23.C48.o1.gs	Method	GENSCAN
Start	212	End	297
GI	none	Score	.5

Exons	212..297		
Seq. No.	25929	Seq. ID	OJ990324_05.9C23.C50
Gene No.	53840	Strand	-
Start	1	End	754
Name	OJ990324_05.9C23.C50.o1.np	Method	AAT/NAP
Start	1	End	754
GI	6692122	Score	237
Exons	1..140, 237..315, 398..533, 631..754		
GI Descrip.	(AC007654) T19E23.9 [Arabidopsis thaliana]		
Seq. No.	25929	Seq. ID	OJ990324_05.9C23.C50
Gene No.	53840	Strand	-
Start	1	End	754
Name	OJ990324_05.9C23.C50.o1.tm	Method	TBLASTX:Maize
Start	229	End	737
GI	none	Score	113
Exons	229..342, 239..316, 240..317, 347..535, 396..536, 409..540, 410..541, 606..737, 631..720, 632..721		
Seq. No.	25929	Seq. ID	OJ990324_05.9C23.C50
Gene No.	53840	Strand	-
Start	1	End	754
Name	OJ990324_05.9C23.C50.o1.gs	Method	GENSCAN
Start	241	End	315
GI	none	Score	.86
Exons	241..315		
Seq. No.	25929	Seq. ID	OJ990324_05.9C23.C50
Gene No.	53840	Strand	-
Start	1	End	754
Name	OJ990324_05.9C23.C50.o1.gp	Method	AAT/GAP
Start	456	End	754
GI	LIB3434-044-P1-K1-B4	Score	301
Exons	456..533, 631..754		
GI Descrip.	'4538965/emb|CAB39789.1| 8.0e-13 (AL049488) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	25930	Seq. ID	OJ990324_05.9C23.C54
Gene No.	53841	Strand	+
Start	350	End	467
Name	OJ990324_05.9C23.C54.o1.gs	Method	GENSCAN
Start	350	End	467
GI	none	Score	.52
Exons	350..467		
Seq. No.	25931	Seq. ID	OJ990324_05.9C23.C55
Gene No.	53842	Strand	+
Start	194	End	290
Name	OJ990324_05.9C23.C55.o1.gs	Method	GENSCAN
Start	194	End	290
GI	none	Score	.74
Exons	194..290		
Seq. No.	25931	Seq. ID	OJ990324_05.9C23.C55
Gene No.	53843	Strand	+
Start	388	End	550

Name	OJ990324_05.9C23.C55.o1.gp	Method	AAT/GAP
Start	388	End	550
GI	2427387	Score	254
Exons	388..550		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	25932	Seq. ID	OJ990324_05.9C23.C56
Gene No.	53844	Strand	-
Start	110	End	226
Name	OJ990324_05.9C23.C56.o1.gs	Method	GENSCAN
Start	110	End	226
GI	none	Score	.64
Exons	110..226		

Seq. No.	25932	Seq. ID	OJ990324_05.9C23.C56
Gene No.	53845	Strand	-
Start	340	End	488
Name	OJ990324_05.9C23.C56.o1.gp	Method	AAT/GAP
Start	340	End	488
GI	uC-osf1cyp001c04b2	Score	208
Exons	340..488		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	25933	Seq. ID	OJ990324_05.9C23.C59
Gene No.	53846	Strand	-
Start	126	End	538
Name	OJ990324_05.9C23.C59.o1.gs	Method	GENSCAN
Start	126	End	538
GI	none	Score	.42
Exons	126..144, 327..538		

Seq. No.	25934	Seq. ID	OJ990324_05.9C23.C61
Gene No.	53847	Strand	+
Start	380	End	478
Name	OJ990324_05.9C23.C61.o1.np	Method	AAT/NAP
Start	380	End	478
GI	5922623	Score	72
Exons	380..478		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	25935	Seq. ID	OJ990324_05.9C23.C63
Gene No.	53848	Strand	-
Start	331	End	484
Name	OJ990324_05.9C23.C63.o1.gp	Method	AAT/GAP
Start	331	End	484
GI	none	Score	308
Exons	331..484		

Seq. No.	25936	Seq. ID	OJ990324_05.9C23.C64
Gene No.	53849	Strand	-
Start	469	End	694
Name	OJ990324_05.9C23.C64.o1.gs	Method	GENSCAN

Start	469	End	694
GI	none	Score	.71
Exons	469..694		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53850	Strand	+
Start	4830	End	6620
Name	OJ990504_06.9C17.C2.o2.gs	Method	GENSCAN
Start	4830	End	5555
GI	none	Score	.62
Exons	4830..5555		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53850	Strand	+
Start	4830	End	6620
Name	OJ990504_06.9C17.C2.o2.np	Method	AAT/NAP
Start	5029	End	6620
GI	6091769	Score	123
Exons	5029..5249, 6597..6620		
GI Descrip.	(AC009327) unknown protein [Arabidopsis thaliana]		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53851	Strand	-
Start	1136	End	2599
Name	OJ990504_06.9C17.C2.o1.gs	Method	GENSCAN
Start	1136	End	2599
GI	none	Score	.73
Exons	1136..1571, 2523..2599		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53851	Strand	-
Start	1136	End	2599
Name	OJ990504_06.9C17.C2.o1.np	Method	AAT/NAP
Start	1139	End	1540
GI	1903358	Score	325
Exons	1139..1540		
GI Descrip.	(AC000104) Similar to Nicotiana EREBP-3 (gb|D38124). [Arabidopsis thaliana]		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53852	Strand	-
Start	6122	End	6223
Name	OJ990504_06.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	1301	End	1492
GI	none	Score	90
Exons	1301..1492, 1302..1478		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53852	Strand	-
Start	6122	End	6223
Name	OJ990504_06.9C17.C2.o2.ts	Method	TBLASTX:Soybean
Start	5028	End	5333
GI	none	Score	185
Exons	5028..5333, 5114..5212		

Seq. No.	25937	Seq. ID	OJ990504_06.9C17.C2
Gene No.	53852	Strand	-